



SEQUENCE LISTING

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<120> PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
COMPONENTS

<130> 2110

<140> 09/623,548

<141> 2000-09-05

<150> 60/134,406

<151> 1999-05-17

<150> 60/153,406

<151> 1999-09-10

<150> 60/159,783

<151> 1999-10-18

<160> 1617

<170> PatentIn Ver. 2.1

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<223> Description of Artificial Sequence: Synthetic
Peptide

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His	Phe	Arg	Trp	Gly	Lys	Pro	Val	Gly	Lys	Lys	Arg	Arg	Pro	Val	Lys
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Val Tyr Pro

<210> 2

<211> 8

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 2
Met Glu His Phe Arg Trp Gly Lys
1 5

<210> 3
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 3
Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val Gly Lys Lys
1 5 10 15
Arg Arg Pro Val Lys Val Tyr Pro Asn Gly Ala Glu Asp Glu Ser Ala
20 25 30

Glu Ala Phe Pro Leu Glu Phe
35

<210> 4
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Peptide

<400> 4
Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val
1 5 10

<210> 5
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Peptide

<400> 5
Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val Gly Lys Lys
1 5 10 15

<210> 6
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 6

Ser	Tyr	Ser	Met	Glu	His	Phe	Arg	Trp	Gly	Lys	Pro	Val	Gly	Lys	Lys
1				5					10					15	

Arg

<210> 7

<211> 24

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Peptide

<400> 7

Ser	Tyr	Ser	Met	Glu	His	Phe	Arg	Trp	Gly	Lys	Pro	Val	Gly	Lys	Lys
1				5					10					15	

Arg	Arg	Pro	Val	Lys	Val	Tyr	Pro
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<210> 8

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 8

Met	Glu	His	Phe	Arg	Trp	Gly
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<210> 9

<211> 32

<212> PRT

<213> Artificial Sequence

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Peptide

<400> 9

Phe	Arg	Trp	Gly	Lys	Pro	Val	Gly	Lys	Lys	Arg	Arg	Pro	Val	Lys	Val
1				5				10						15	

Tyr Pro Asn Gly Ala Glu Asp Glu Ser Ala Glu Ala Phe Pro Leu Glu
20 25 30

<210> 10
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Peptide

<400> 10
Arg Pro Val Lys Val Tyr Pro Asn Gly Ala Glu Asp Glu Ser Ala Glu
1 5 10 15

Ala Phe Pro Leu Glu Phe
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<210> 11
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 11
Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val Gly Lys Lys
1 5 10 15

Arg Arg Pro Val Lys Val Tyr Pro Asn Val Ala Glu Asn Glu Ser Ala
20 25 30

Glu Ala Phe Pro Leu Glu Phe
35

<210> 12
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Peptide

<400> 12
Pro Val Gly Lys Lys Arg Arg Pro Val Lys Val Tyr Pro Asn Val Ala
1 5 10 15

Glu Asn Glu Ser Ala Glu Ala Phe Pro Leu Glu Phe
20 25

<210> 13
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Peptide

<400> 13
Val Tyr Pro Asn Gly Ala Glu Asp Glu Ser Ala Glu Ala Phe Pro Leu
1 5 10 15

Glu Phe

<210> 14
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Peptide

<400> 14
Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val Gly Lys Lys
1 5 10 15

Arg Arg Pro Val Lys Val Tyr Pro Asn Val Ala Glu Asn Glu Ser Ala
20 25 30

Glu Ala Phe Pro Leu Glu Phe
35

<210> 15
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Peptide

<400> 15
Pro Val Gly Lys Lys Arg Arg Pro Val Lys Val Tyr Pro Asn Val Ala
1 5 10 15

Glu Asn Glu Ser Ala Glu Ala Phe Pro Leu Glu Phe
20 25

<210> 16
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Peptide

<400> 16
Val Tyr Pro Asn Gly Ala Glu Asp Glu Ser Ala Glu Ala Phe Pro Leu
1 5 10 15

Glu Phe

<210> 17
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Peptide

<400> 17
Val Cys Ser Cys Arg Leu Val Phe Cys Arg Arg Thr Glu Leu Arg Val
1 5 10 15

Gly Asn Cys Leu Ile Gly Gly Val Ser Phe Thr Tyr Cys Cys Thr Arg
20 25 30

Val

<210> 18
<211> 34
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Peptide

<400> 18
Gly Ile Cys Ala Cys Arg Arg Arg Phe Cys Pro Asn Ser Glu Arg Phe
1 5 10 15

Ser Gly Tyr Cys Arg Val Asn Gly Ala Arg Tyr Val Arg Cys Cys Ser
20 25 30

Arg Arg

<210> 19
<211> 5
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Peptide

<400> 19
Met Glu His Phe Phe
1 5

<210> 20
<211> 5
<212> PRT
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Peptide

<400> 20
Met Glu His Phe Phe
1 5

<210> 21
<211> 17
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<220>
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Peptide

<400> 21
Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val Gly Lys Lys
1 5 10 15

Arg

<210> 22
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 22
Arg Lys Tyr Val Met Gly His Phe Arg Trp Asp Arg Phe Gly Arg Arg

1 5 10 15
 Asn Ser Ser Ser Ser Gly Ser Ser Gly Ala Gly Gln Lys Arg
 20 25 30

<210> 23
 <211> 43
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 23
 Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu Arg
 1 5 10 15

Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe Glu
 20 25 30

Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser
 35 40

<210> 24
 <211> 8
 <212> PRT
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 Peptide

<400> 24
 Leu Ser Arg Leu Phe Asp Asn Ala
 1 5

<210> 25
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 <212> PRT
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 Peptide

<400> 25
 Cys Glu His Arg Trp Cys Lys Pro Val
 1 5

<210> 26
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<400> 26

Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val
1 5 10

<210> 27

<211> 13

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<400> 27

Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val
1 5 10

<210> 28

<211> 18

<212> PRT

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<400> 28

Asp Glu Gly Pro Tyr Lys Met Glu His Phe Arg Trp Gly Ser Pro Pro
1 5 10 15

Lys Asp

<210> 29

<211> 13

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<400> 29

Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val
1 5 10

<210> 30

<211> 12
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Peptide

<400> 30
Ser Tyr Ser Met Glu His Arg Trp Gly Lys Pro Val
1 5 10

<210> 31
<211> 11
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Peptide

<400> 31
Tyr Val Met Gly His Phe Arg Trp Asp Arg Phe
1 5 10

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<212> PRT
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Peptide

<400> 32
Lys Tyr Val Met Gly His Phe Arg Trp Asp Arg Phe
1 5 10

<210> 33
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Peptide

<400> 33
Pro Leu Gly
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<210> 34
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Peptide

<400> 34
Asp His Phe Arg Trp Lys
1 5

<210> 35
<211> 12
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Peptide

<400> 35
Ser Tyr Ser Glu His Phe Arg Trp Gly Lys Pro Val
1 5 10

<210> 36
<211> 12
<212> PRT
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Peptide

<400> 36
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1 5 10

<210> 37
<211> 6
<212> PRT
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Peptide

<400> 37
Glu His Phe Arg Trp Gly
1 5

<210> 38
<211> 22
<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 38

Ala Glu Lys Lys Asp Glu Gly Pro Tyr Arg Met Glu His Phe Arg Trp
1 5 10 15

Gly Ser Pro Pro Lys Asp
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<210> 39

<211> 12

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<400> 39

Tyr Val Met Gly His Phe Arg Trp Asp Arg Phe Gly
1 5 10

<210> 40

<211> 7

<212> PRT

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<400> 40

Tyr Ile Gln Asn Pro Leu Gly
1 5

<210> 41

<211> 9

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<400> 41

Cys Tyr Ile Gln Asn Cys Pro Leu Gly
1 5

<210> 42

<211> 7
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Peptide

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Tyr Ile Thr Asn Cys Pro Tyr
1 5

<210> 43
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Peptide

<400> 43
Cys Tyr Ile Gln Asn Cys
1 5

<210> 44
<211> 9
<212> PRT
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Peptide

<400> 44
Cys Tyr Ile Gln Asn Cys Pro Leu Gly
1 5

<210> 45
<211> 9
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Peptide

<400> 45
Met Asn Ile Lys Gly Ser Pro Trp Lys
1 5

<210> 46
<211> 7

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Peptide

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Tyr Phe Gln Asn Pro Arg Gly
1 5

<210> 47

<211> 7

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Peptide

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Tyr Ile Gln Asn Pro Arg Gly
1 5

<210> 48

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Cys Tyr Phe Gln Asn Cys Pro Lys Gly
1 5

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Peptide

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Cys Tyr Phe Gln Asn Cys
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<210> 50

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Tyr Phe Val Asn Cys Pro Gly
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<210> 51

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<400> 51

Tyr Phe Gln Asn Cys Pro Arg
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<210> 52

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<400> 52

Cys Tyr Phe Gln Asn Cys Pro Arg Gly
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<210> 53

<211> 8

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<400> 53

Cys Tyr Phe Gln Asn Cys Pro Arg
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<210> 54

<211> 9

<212> PRT

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Peptide

<400> 54
Cys Tyr Phe Gln Asn Cys Pro Arg Gly
1 5

<210> 55
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Peptide

<400> 55
Tyr Phe Gln Asn Cys Pro Arg Gly
1 5

<210> 56
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Peptide

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Tyr Phe Gln Asn Cys Pro Arg Gly
1 5

<210> 57
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Peptide

<400> 57
Ala Phe Gln Asn Cys Pro Arg Gly
1 5

<210> 58
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Peptide

<400> 58
Tyr Phe Val Asn Cys Pro Gly
1 5

<210> 59
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Tyr Phe Gln Asn Cys Pro Arg Tyr
1 5

<210> 60
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

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Ile Phe Ile Asn Cys Pro Arg
1 5

<210> 61
<211> 8
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<220>
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Peptide

<400> 61
Tyr Phe Val Asn Cys Pro Arg Gly
1 5

<210> 62
<211> 8
<212> PRT
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Peptide

<400> 62

Tyr Phe Gln Asn Cys Pro Arg Gly
1 5

<210> 63

<211> 6

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Peptide

<400> 63

Glu Asn Cys Cys Pro Arg
1 5

<210> 64

<211> 8

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Phe Phe Ile Asn Cys Pro Arg Ala
1 5

<210> 65

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 65

Tyr Phe Gln Asn Cys Pro Lys
1 5

<210> 66

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 66

Phe Phe Ile Asn Cys Pro Arg Ala

1

5

<210> 67

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 67

Cys Tyr Phe Gln Asn Cys Pro Lys Gly

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<210> 68

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 68

Tyr Phe Val Asn Cys Pro Gly

1

5

<210> 69

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 69

Cys Phe Ile Gln Asn Cys Pro Gly

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5

<210> 70

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 70

Cys Tyr Ile Gln Asn Cys Pro Arg Gly
1 5

<210> 71

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 71

Tyr Ile Gln Asn Cys Pro Gly
1 5

<210> 72

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 72

Ser Glu Ala Ala Ala Leu Pro Arg Ala Ser Ala Ala Ala Met Arg Ala
1 5 10 15

Ala Trp Pro Ser Pro Ser Val Glu Gly
20 25

<210> 73

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 73

Phe His Leu Leu Arg Glu Val Leu Glu Ala Arg Ala Glu Gln Leu Ala
1 5 10 15

Gln Glu Ala His Lys Asn Arg Lys Leu Glu Ile Ile
20 25

<210> 74

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 74

Phe His Leu Leu Arg Glu Met Leu Glu Met Ala Lys Ala Glu Gln Glu
1 5 10 15

Ala Glu Gln Ala Ala Leu Asn Arg Leu Leu Leu Glu Glu Ala
20 25 30

<210> 75

<211> 41

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 75

Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Met Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala His
20 25 30

Asn Asn Arg Lys Leu Leu Asp Ile Ala
35 40

<210> 76

<211> 41

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 76

Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala His
20 25 30

Ser Asn Arg Lys Leu Met Glu Ile Ile
35 40

<210> 77

<211> 41

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 77

Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Met Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala His
20 25 30

Ser Asn Arg Lys Leu Leu Asp Ile Ala
35 40

<210> 78

<211> 41

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 78

Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala His
20 25 30

Ser Asn Arg Lys Leu Met Glu Asn Phe
35 40

<210> 79

<211> 21

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 79

Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Cys
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<210> 80

<211> 33

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 80

Asp Leu Thr Phe His Leu Leu Arg Glu Met Leu Glu Met Ala Lys Ala
1 5 10 15

Glu Gln Glu Ala Glu Gln Ala Ala Leu Asn Arg Leu Leu Leu Glu Glu
20 25 30

Ala

<210> 81

<400> 81

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<210> 82

<211> 28

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 82

Phe His Leu Leu Arg Glu Val Leu Glu Ala Arg Ala Glu Gln Leu Ala
1 5 10 15

Gln Gln Ala His Ser Asn Arg Lys Leu Glu Ile Ile
20 25

<210> 83

<211> 28

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 83

Phe His Leu Leu Arg Glu Val Leu Glu Ala Arg Ala Glu Gln Leu Ala
1 5 10 15

Gln Glu Ala His Lys Asn Arg Lys Leu Glu Ile Ile
20 25

<210> 84
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 84
Ser Glu Glu Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg Glu
1 5 10 15
Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala His Ser
20 25 30
Asn Arg Lys Leu Met Glu Ile Ile
35 40

<210> 85
<211> 4
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 85
Val Gly Ser Glu
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<210> 86
<211> 4
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 86
Ala Gly Ser Glu
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<210> 87
<211> 41
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 87

Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Met Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala His
20 25 30

Ser Asn Arg Lys Leu Leu Asp Ile Ala
35 40

<210> 88

<211> 40

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 88

Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Glu Val Leu Glu Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala Tyr Ser
20 25 30

Asn Arg Lys Leu Leu Asp Ile Ala
35 40

<210> 89

<211> 27

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 89

Ser Leu Asp Ser Pro Ala Ala Leu Ala Glu Arg Gly Ala Arg Asn Ala
1 5 10 15

Leu Gly Gly His Gln Glu Ala Pro Glu Arg Glu
20 25

<210> 90

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 90

Glu Gly Pro Pro Ile Ser Ile Asp Leu Ser Leu Glu Leu Leu Arg Lys
1 5 10 15

Met Ile Glu Ile Glu Lys Gln Glu Lys Glu Lys Gln Gln Ala Ala Asn
20 25 30

Asn Arg Leu Leu Leu Asp Thr Ile
35 40

<210> 91

<211> 42

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 91

Tyr Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
1 5 10 15

Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala
20 25 30

His Ser Asn Arg Lys Leu Met Glu Ile Ile
35 40

<210> 92

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 92

Tyr Ser Gln Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
1 5 10 15

Arg Glu Val Leu Glu Met Thr Lys Ala Asp Gln Leu Ala Gln Gln Ala
20 25 30

His Ser Asn Arg Lys Leu Leu Asp Ile Ala
35 40

<210> 93

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 93

Tyr Asn Arg Lys Leu Leu Asp Ile Ala
1 5

<210> 94

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 94

Tyr Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Thr Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala Glu
20 25 30

Gln Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 95

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 95

Tyr Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Thr Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala Glu
20 25 30

Gln Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 96

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 96

Asp Asn Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg Thr
1 5 10 15

Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala Glu Gln
20 25 30

Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 97

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 97

Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg Thr
1 5 10 15

Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala Glu Gln
20 25 30

Asn Arg Ile Ile Phe Asp Ser Val
35 40

<210> 98

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 98

Asn Asp Asp Pro Pro Ile Ser Ile Asp Leu Thr Phe His Leu Leu Arg
1 5 10 15

Asn Met Ile Glu Met Ala Arg Ile Glu Asn Glu Arg Glu Gln Ala Gly
20 25 30

Leu Asn Arg Lys Tyr Leu Asp Glu Val
35 40

<210> 99

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 99

Ala Gly Thr Ala Asp Cys Phe Trp Lys Tyr Cys Val
1 5 10

<210> 100

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 100

Ala Gly Asn Leu Ser Glu Cys Phe Trp Lys Tyr Cys Val
1 5 10

<210> 101

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 101

Thr Gly Ser Gly Pro Ser Leu Ser Ile Val Asn Pro Leu Asp Val Leu
1 5 10 15

Arg Gln Arg Leu Leu Leu Glu Ile Ala Arg Arg Arg Met Arg Gln Ser
20 25 30

Gln Asp Gln Ile Gln Ala Asn Arg Glu Ile Leu Gln Thr Ile
35 40 45

<210> 102

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 102

Ser Glu Asp Pro Pro Met Ser Ile Asp Leu Thr Phe His Met Leu Arg
1 5 10 15

Asn Met Ile His Met Ala Lys Met Glu Gly Glu Arg Glu Gln Ala Gln
20 25 30

Ile Asn Arg Asn Leu Leu Asp Glu Val
35 40

<210> 103
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 103
Phe Glu Cys Thr Thr His Gln Pro Arg Ser Pro Leu Arg Asp Leu Lys
1 5 10 15

Gly Ala Leu Glu Ser Leu Ile Glu Glu Glu Thr Gly Gln
20 25

<210> 104
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 104
Phe Glu Cys Thr Thr His Gln Pro Arg Ser Pro Leu Arg Asp Leu Lys
1 5 10 15

Gly Ala Leu Glu Ser Leu Ile Glu Glu Glu Thr Gly Gln
20 25

<210> 105
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 105
Asp Ala Glu Asn Leu Ile Asp Ser Phe Gln Glu Ile Val
1 5 10

<210> 106
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 106

Asn Thr Glu His Leu Val Asp Ser Phe Gln Glu Met Gly
1 5 10

<210> 107

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 107

Asp Thr Ser His His Asp Gln Asp His Pro Thr Phe Asp
1 5 10

<210> 108

<400> 108

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<210> 109

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 109

Trp Cys Leu Glu Ser Ser Gln Cys Gln Asp Leu Ser Thr Glu Ser Asn
1 5 10 15

Leu Leu Ala Cys Ile Arg Ala Cys Lys Pro
20 25

<210> 110

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 110

Gln His Trp Ser Tyr Gly Leu Ser Pro Gly
1 5 10

<210> 111

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 111

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
35 40

<210> 112

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 112

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Asn Arg Gln Gln Gly
20 25 30

Glu Arg Asn Gln Glu Gln Gly Ala Lys Val Arg Leu
35 40

<210> 113

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 113

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Arg Asn Gln Glu Gln Gly Ala Arg Val Arg Leu
35 40

<210> 114
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 114
His Ala Asp Ala Ile Phe Thr Ser Ser Tyr Arg Arg Ile Leu Gly Gln
1 5 10 15

Leu Tyr Ala Arg Lys Leu Leu His Glu Ile Met Asn Arg
20 25

<210> 115
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 115
Val Asp Ser Met Trp Ala Glu Gln Lys Gln Met Glu Leu Glu Ser Ile
1 5 10 15

Leu Val Ala Leu Leu Gln Lys His Ser Arg Asn Ser Gln Gly
20 25 30

<210> 116
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 116
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
20 25

<210> 117
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 117
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
20 25

<210> 118
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 118
Tyr Arg Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
20 25

<210> 119
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 119
His Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Ser Arg Gln Gln Gly
20 25 30

<210> 120
<211> 37
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 120

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu
35

<210> 121

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 121

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala
35 40

<210> 122

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 122

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala
35 40

<210> 123

<211> 15

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 123
Glu Gln Gly Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
1 5 10 15

<210> 124
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 124
His Val Asp Ala Ile Phe Thr Thr Asn Tyr Arg Lys Leu Leu Ser Gln
1 5 10 15
Leu Tyr Ala Arg Lys Val Ile Gln Asp Ile Met Asn Lys Gln Gly Glu
20 25 30
Arg Ile Gln Glu Gln Arg Ala Arg Leu Ser
35 40

<210> 125
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 125
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Ile Leu Gly Gln
1 5 10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Asn Arg Gln Gln Gly
20 25 30
Glu Arg Asn Gln Glu Gln Gly Ala Lys Val Arg Leu
35 40

<210> 126
<211> 43
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 126

His Ala Asp Ala Ile Phe Thr Ser Ser Tyr Arg Arg Ile Leu Gly Gln
1 5 10 15

Leu Tyr Ala Arg Lys Leu Leu His Glu Ile Met Asn Arg Gln Gln Gly
20 25 30

Glu Arg Asn Gln Glu Gln Arg Ser Arg Phe Asn
35 40

<210> 127

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 127

His Trp Ala Trp Phe Lys
1 5

<210> 128

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 128

His Trp Ala Trp Phe Lys
1 5

<210> 129

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 129

Ala Ala Trp Phe Lys
1 5

<210> 130
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 130
His Trp Lys Trp Phe Lys
1 5

<210> 131
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 131
Ala Ala Ala Trp Phe Leu
1 5

<210> 132
<211> 45
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 132
His Ala Asp Gly Met Phe Asn Lys Ala Tyr Arg Lys Ala Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Tyr Leu His Thr Leu Met Ala Lys Arg Val Gly
20 25 30

Gly Gly Ser Met Ile Glu Asp Asp Asn Glu Pro Leu Ser
35 40 45

<210> 133
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 133

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Asn Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
35 40

<210> 134

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 134

Tyr Ala Asp Ala Ile Phe Thr Asn Cys Tyr Arg Lys Val Leu Cys Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Ser Arg
20 25

<210> 135

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 135

Phe Ser Lys Lys Leu Lys Pro Ala
1 5

<210> 136

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 136

Glu His Trp Ser His Gly Trp Tyr Pro Gly
1 5 10

<210> 137

<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 137
Glu His Trp Ser Tyr Gly Leu Arg Pro Gly
1 5 10

<210> 138
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 138
Phe Ser Tyr Leu Arg Pro Ala
1 5

<210> 139
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 139
Glu His Trp Ser Tyr Ala Leu Arg Pro Gly
1 5 10

<210> 140
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 140
Glu His Trp Ser Tyr Gly Leu Gln Pro Gly
1 5 10

<210> 141
<211> 7

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 141
His Trp Ser Tyr Val Arg Pro
1 5

<210> 142
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 142
Glu His Trp Ser Tyr Lys Leu Arg Pro Gly
1 5 10

<210> 143
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 143
Glu Phe Pro Ser Tyr Phe Leu Arg Pro Gly
1 5 10

<210> 144
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 144
Phe Trp Ser Tyr Ala Leu Arg Pro Gly
1 5

<210> 145
<211> 10
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 145

Glu Phe Trp Ser Tyr Trp Leu Arg Pro Gly
1 5 10

<210> 146

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 146

Glu His Trp Ser Tyr Gly Leu Arg Pro
1 5

<210> 147

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 147

Glu His Trp Ser Tyr Ala Leu Arg Pro
1 5

<210> 148

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 148

His Trp Ser Tyr Trp Leu Arg Pro Gly
1 5

<210> 149

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 149

Glu His Trp Ser Tyr Trp Leu Arg Pro

1

5

<210> 150

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 150

His Trp Ser Tyr Ser Leu Arg Pro

1

5

<210> 151

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 151

Glu His Trp Ser Tyr Arg Trp Leu Pro

1

5

<210> 152

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 152

Leu Arg Pro Gly

1

<210> 153

<211> 9

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 153
His Trp Ser Tyr Gly Leu Arg Pro Gly
1 5

<210> 154
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 154
Glu His Tyr Ser Leu Glu Trp Lys Pro Gly
1 5 10

<210> 155
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 155
Glu His Trp Ser Tyr Gly Trp Leu Pro Gly
1 5 10

<210> 156
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 156
Ser Tyr Gly Leu Arg Pro Gly
1 5

<210> 157
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 157

His Trp Ser Tyr Gly Leu Lys Pro Gly
1 5

<210> 158

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 158

Phe Phe Ser Tyr Leu Arg Pro
1 5

<210> 159

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 159

His Trp Ser Tyr Gly Trp Leu Pro Gly
1 5

<210> 160

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 160

His Trp Ser Tyr Ser Leu Arg Pro Gly
1 5

<210> 161

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 161

Ala Phe Trp Ser Tyr Ser Leu Arg Pro
1 5

<210> 162

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 162

Glu Pro Asp Cys Cys Arg Gln Lys Thr Cys Ser Cys Arg Leu Tyr Glu
1 5 10 15

Leu Leu His Gly Ala Gly Asn His Ala Ala Gly Ile Leu Thr Leu
20 25 30

<210> 163

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 163

Arg Ser Gly Pro Pro Gly Leu Gln Gly Arg Leu Gln Arg Leu Leu Gln
1 5 10 15

Ala Ser Gly Asn His Ala Ala Gly Ile Leu Thr Met
20 25

<210> 164

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 164

Arg Pro Gly Pro Pro Gly Leu Gln Gly Arg Leu Gln Arg Leu Leu Gln
1 5 10 15

Ala Asn Gly Asn His Ala Ala Gly Ile Leu Thr Met
20 25

<210> 165
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 165
Ser Arg Thr His Arg His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
1 5 10 15
Pro Ala Trp Tyr Ala Ser Arg Gly Ile Arg Pro Val Gly Arg Phe
20 25 30

<210> 166
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 166
Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Ser Arg Gly Ile Arg Pro
1 5 10 15
Val Gly Arg Phe
20

<210> 167
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 167
Ser Arg Ala His Gln His Ser Met Glu Thr Arg Thr Pro Asp Ile Asn
1 5 10 15
Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro Val Gly Arg Phe
20 25 30

<210> 168
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 168

Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro
1 5 10 15

Val Gly Arg Phe
20

<210> 169

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 169

Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
1 5 10 15

Pro Ala Trp Tyr Ala Ser Arg Gly Ile Arg Pro Val Gly Arg Phe
20 25 30

<210> 170

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 170

Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro
1 5 10 15

Val Gly Arg Phe
20

<210> 171

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 171

Ala Tyr Trp Lys Phe

1

5

<210> 172

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 172

Pro Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys

1

5

10

<210> 173

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 173

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys

1

5

10

15

Lys

<210> 174

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 174

Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys

1

5

10

15

Lys

<210> 175

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 175

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 176

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 176

Ala Gly Cys Lys Asn Phe Phe Lys Thr Phe Thr Ser Cys
1 5 10

<210> 177

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 177

Ala Gly Cys Lys Asn Phe Phe Lys Thr Tyr Thr Ser Cys
1 5 10

<210> 178

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 178

Cys His His Phe Phe Lys Thr Phe Thr Ser Cys
1 5 10

<210> 179

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 179

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Trp Thr Ser Cys
1 5 10

<210> 180

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 180

Phe Cys Tyr Thr Thr
1 5

<210> 181

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 181

Ser Ala Asn Ser Asn Pro Ala Ala Pro Arg Glu Arg Lys Ala Gly Cys
1 5 10 15

Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 182

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 182

Phe Cys Phe Lys Thr Cys Thr
1 5

<210> 183

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 183

Ala Pro Ser Asp Pro Arg Leu Arg Gln Phe Leu Gln Lys Ser Leu Ala
1 5 10 15

Ala Ala Ala Gly Lys Gln Glu Leu Ala Lys Tyr Phe Leu Ala Glu Leu
20 25 30

<210> 184

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 184

Tyr Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 185

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 185

Tyr Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 186

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 186

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Tyr Arg Lys
1 5 10

<210> 187
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 187
Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Tyr Thr Ser Cys
1 5 10

<210> 188
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 188
Tyr Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10 15

<210> 189
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 189
Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 190
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 190
Phe Trp Lys Thr
1

<210> 191

<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 191
Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly Cys Lys Asn
1 5 10 15
Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 192
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 192
Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15
Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 193
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 193
Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu
1 5 10

<210> 194
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 194

Tyr Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys Ala
1 5 10 15

Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
20 25

<210> 195

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 195

Ser Ala Asn Ser Asn Pro Ala Leu Ala Pro Arg Glu Arg Lys Ala Gly
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Tyr Thr Ser Cys
20 25

<210> 196

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 196

Ser Ala Asn Ser Asn Pro Ala Met Ala Pro Arg Glu Arg Lys
1 5 10

<210> 197

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 197

Phe Cys Tyr Trp Lys Val Cys Trp
1 5

<210> 198

<211> 8

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 198
Phe Cys Tyr Trp Lys Val Cys Trp
1 5

<210> 199
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 199
Phe Cys Tyr Trp Thr Thr
1 5

<210> 200
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 200
Ala Cys Tyr Trp Leu Val Cys Thr
1 5

<210> 201
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 201
Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
1 5 10

<210> 202
<211> 3
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 202
His Pro Gly
1

<210> 203
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 203
Thr
1

<210> 204
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 204
Thr His Pro
1

<210> 205
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 205
Glu His Pro
1

<210> 206
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 206

Glu Gln Pro

1

<210> 207

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 207

Glu His

1

<210> 208

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 208

His Pro Gly Lys

1

<210> 209

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 209

His Pro Gly

1

<210> 210

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 210

Glu Pro

1

<210> 211

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 211

Phe Pro

1

<210> 212

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 212

Phe Leu Trp Lys Asp Leu Gln Arg Val Arg Gly Asp Leu Gly Ala Ala

1

5

10

15

Leu Asp Ser Trp Ile Thr

20

<210> 213

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 213

Glu Glu Glu Glu Lys Asp Ile Glu Ala Glu Glu Arg Gly Asp Leu Gly

1

5

10

15

Glu Gly Gly Ala Trp Arg Leu His

20

<210> 214

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 214

Ser Phe Pro Trp Met Glu Ser Asp Val Thr
1 5 10

<210> 215

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 215

Cys Ala Ser Leu Ser Thr Cys Val Leu Gly Lys Leu Ser Gln Glu Leu
1 5 10 15

His Lys Leu Gln Thr Tyr Pro Arg Thr Asp Val Gly Ala Gly Thr Pro
20 25 30

<210> 216

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 216

Cys Ser Asn Leu Ser Thr Cys Val Leu Gly Lys Leu Ser Gln Glu Leu
1 5 10 15

His Lys Leu Gln Thr Tyr Pro Arg Thr Asp Val Gly Ala Gly Thr Pro
20 25 30

<210> 217

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 217

Cys Gly Asn Leu Ser Thr Cys Met Leu Gly Thr Tyr Thr Gln Asp Phe
1 5 10 15

Asn Lys Phe His Thr Phe Pro Gln Thr Ala Ile Gly Val Gly Ala Pro
20 25 30

<210> 218

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 218

Cys Ser Asn Leu Ser Thr Cys Val Leu Ser Ala Tyr Trp Arg Asn Leu
1 5 10 15

Asn Asn Phe His Arg Phe Ser Gly Met Gly Phe Gly Pro Glu Thr Pro
20 25 30

<210> 219

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 219

Cys Gly Asn Leu Ser Thr Cys Met Leu Gly Thr Tyr Thr Gln Asp Leu
1 5 10 15

Asn Lys Phe His Thr Phe Pro Gln Thr Ser Ile Gly Val Gly Ala Pro
20 25 30

<210> 220

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 220

Cys	Ser	Asn	Leu	Ser	Thr	Cys	Val	Leu	Gly	Lys	Leu	Ser	Gln	Glu	Leu
1				5					10					15	

His	Lys	Leu	Gln	Thr	Tyr	Pro	Arg	Thr	Asn	Thr	Gly	Ser	Gly	Thr	Pro
			20					25					30		

<210> 221

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 221

Val	Leu	Gly	Lys	Leu	Ser	Gln	Glu	Leu	His	Lys	Leu	Gln	Thr	Tyr	Pro
1				5					10					15	

Arg	Thr	Asn	Thr	Gly	Ser	Gly	Thr	Pro
			20					25

<210> 222

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 222

Asp	Met	Ser	Ser	Asp	Leu	Glu	Arg	Asp	His	Arg	Pro	His	Val	Ser	Met
1				5					10					15	

Pro	Gln	Asn	Ala	Asn
				20

<210> 223

<211> 57

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 223

Ala Pro Phe Arg Ser Ala Leu Glu Ser Ser Pro Ala Asp Pro Ala Thr
1 5 10 15

Leu Ser Glu Asp Glu Ala Arg Leu Leu Leu Ala Ala Leu Val Gln Asp
20 25 30

Tyr Val Gln Met Lys Ala Ser Glu Leu Glu Gln Glu Gln Glu Arg Glu
35 40 45

Gly Ser Ser Leu Asp Ser Pro Arg Ser
50 55

<210> 224

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 224

Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Ser Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Gln Ala Phe
35

<210> 225

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 225

Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser
1 5 10 15

Lys Ala Phe

<210> 226

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 226

Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser
1 5 10 15

Lys Ala Phe

<210> 227

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 227

Val Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser Lys Ala Phe
1 5 10 15

<210> 228

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 228

Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Lys Ala Phe
35

<210> 229

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 229

Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Asp Phe Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Gly Lys Asn Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Lys Ala Phe
35

<210> 230

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 230

Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Lys Ala Phe
35

<210> 231

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 231

Cys Gly Asn Leu Ser Thr Cys
1 5

<210> 232

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 232

Asp Met Ala Lys Asp Leu Glu Thr Asn His His Pro Tyr Phe Gly Asn
1 5 10 15

<210> 233
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 233
Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15
Ser Arg Ser

<210> 234
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 234
Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser Lys
1 5 10 15
Ala Phe

<210> 235
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 235
Val Thr His Arg Leu Ala Gly Leu Leu Ser Arg Ser Gly Gly Val Val
1 5 10 15
Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser Lys Ala Phe
20 25 30

<210> 236
<211> 37
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 236

Ala	Cys	Asn	Thr	Ala	Thr	Cys	Val	Thr	His	Arg	Leu	Ala	Gly	Leu	Leu
1				5					10					15	
Ser	Arg	Ser	Gly	Gly	Met	Val	Lys	Ser	Asn	Phe	Val	Pro	Thr	Asn	Val
			20					25					30		
Gly	Ser	Lys	Ala	Phe											
			35												

<210> 237

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 237

Ser	Cys	Asn	Thr	Ala	Thr	Cys	Val	Thr	His	Arg	Leu	Ala	Gly	Leu	Leu
1				5					10					15	
Ser	Arg	Ser	Gly	Gly	Val	Val	Lys	Asp	Asn	Phe	Val	Pro	Thr	Asn	Val
			20					25					30		
Gly	Ser	Glu	Ala	Phe											
			35												

<210> 238

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 238

Ser	Cys	Asn	Thr	Ala	Thr	Cys	Val	Thr	His	Arg	Leu	Ala	Gly	Leu	Leu
1				5					10					15	
Ser	Arg	Ser	Gly	Gly	Val	Val	Lys	Asp	Asn	Phe	Val	Pro	Thr	Asn	Val
			20					25					30		
Gly	Ser	Glu	Ala	Phe											
			35												

<210> 239

<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 239
Val Thr His Arg Leu Ala Gly Leu Leu Ser Arg Ser Gly Gly Val Val
1 5 10 15
Lys Asp Asn Phe Val Pro Thr Asn Val Gly Ser Glu Ala Phe
20 25 30

<210> 240
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 240
Pro Thr Asn Val Gly Ser Glu Ala Phe
1 5

<210> 241
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 241
Thr Asn Val Gly Ser Glu Ala Phe
1 5

<210> 242
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 242
Asn Val Gly Ser Glu Ala Phe
1 5

<210> 243
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 243
Val Gly Ser Glu Ala Phe
1 5

<210> 244
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 244
Val Gly Ser Glu Ala Phe
1 5

<210> 245
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 245
Ser Glu Ala Phe
1

<210> 246
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 246
Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val

20

25

30

Gly Ser Lys Ala Phe
35

<210> 247
<211> 30
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 247

Ser Asn Leu Ser Thr Val Leu Gly Lys Leu Ser Gln Glu Leu His Lys
1 5 10 15

Leu Gln Thr Tyr Pro Arg Thr Asp Val Gly Ala Gly Thr Pro
20 25 30

<210> 248
<211> 38
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 248

Tyr Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu
1 5 10 15

Leu Ser Arg Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn
20 25 30

Val Gly Ser Lys Ala Phe
35

<210> 249
<211> 38
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 249

Tyr Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu
1 5 10 15

Leu Ser Arg Ser Gly Gly Met Val Lys Ser Asn Phe Val Pro Thr Asn

20

25

30

Val Gly Ser Lys Ala Phe
35

<210> 250
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 250
Tyr Val Pro Thr Asn Val Gly Ser Glu Ala Phe
1 5 10

<210> 251
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 251
Tyr Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu
1 5 10 15

Leu Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn
20 25 30

Val Gly Ser Glu Ala Phe
35

<210> 252
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 252
Tyr Val Lys Asp Asn Phe Val Pro Thr Asn Val Gly Ser Glu Ala Phe
1 5 10 15

<210> 253
<211> 37
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 253

Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
1 5 10 15

Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
20 25 30

Gly Ser Glu Ala Phe
35

<210> 254

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 254

Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys
1 5 10 15

Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly Glu Ala
20 25 30

Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys Ser Gln
35 40 45

<210> 255

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 255

Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly
1 5 10 15

Glu Ala Asp Lys Ala Asp Val Asp Val Leu Thr Lys Ala Lys Ser Gln
20 25 30

<210> 256
<211> 84
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 256
Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15
Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30
Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
35 40 45
Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu
50 55 60
Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys
65 70 75 80
Ala Lys Ser Gln

<210> 257
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 257
Glu Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr
1 5 10 15
Lys Ala Lys Ser Gln
20

<210> 258
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 258
Ser Val Ser Glu Ile Gln Leu Asn His Asn Leu Gly Lys His Leu Asn

1 5 10 15
 Ser Leu Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe

<210> 259
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 259
 Ser Val Ser Glu Cys Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Cys Gln Asp Val His
 20 25 30

Asn Phe

<210> 260
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 260
 Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
 1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
 20 25 30

Thr Ala Glu Ile Arg Ala Thr Ser
 35 40

<210> 261
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 261

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Leu Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe

<210> 262

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 262

Ala Val Ser Glu Ile Gln Phe His Asn Leu Gly Lys His Leu Ser Ser
1 5 10 15

Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 263

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 263

Ser Glu Ile Gln Phe His Asn Leu Gly Lys His Leu Ser Ser Glu Arg
1 5 10 15

Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 264

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 264

Ser Val Ser Glu Ile Gln Leu His Asn Leu Gly Lys His Leu Asn Ser
1 5 10 15

Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 265

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 265

Ser Val Ser Glu Ile Gln Leu His Asn Leu Gly Lys His Leu Asn Ser
1 5 10 15

Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 266

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 266

Ser Glu Ile Gln Leu His Asn Leu Gly Lys His Leu Asn Ser Glu Arg
1 5 10 15

Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 267

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 267

Phe His Asn Leu Gly Lys His Leu Ser Ser Glu Arg Val Glu Trp Leu
1 5 10 15

Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25

<210> 268

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 268

Ala Val Ser Glu Ile Gln Leu His Asn Leu Gly Lys His Leu Ala Ser
1 5 10 15

Val Glu Arg Gln Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25 30

<210> 269

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 269

Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu
1 5 10 15

Val Glu Ser His Glu Lys Ser Leu Gly
20 25

<210> 270

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 270

Ser Glu Ile Gln Phe Met His Asn Leu Gly Lys His Leu Ser Ser Met

1

5

10

15

Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Phe
 20 25 30

<210> 271

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 271

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
 20 25 30

<210> 272

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 272

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe

<210> 273

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 273

Lys His Leu Asn Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu

1

5

10

15

Gln Asp Val His Asn Phe
20

<210> 274

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 274

Ala Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Ala
1 5 10 15

Ser Val Glu Arg Met Gln Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe

<210> 275

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 275

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15

Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30

Asn Phe Val Ala Leu Gly
35

<210> 276

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 276

Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn

1 5 10 15
 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 20 25 30

Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg
 35 40

<210> 277
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 277
 Leu Gln Asp Val His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro
 1 5 10 15

Arg Asp Ala Gly Ser
 20

<210> 278
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 278
 Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys
 1 5 10 15

Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly
 20 25 30

<210> 279
 <211> 46
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 279
 Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys
 1 5 10 15

Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly Glu Ala

	20		25		30
Asp	Lys	Ala	Asp	Val	Asn
			Val	Leu	Thr
				Lys	Ala
				Lys	Ser
					Gln
	35		40		45

<210> 280
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 280
Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu Gly
1 5 10 15
Glu Ala Asp Lys Ala Asp Val Asp Val Leu Thr Lys Ala Lys Ser Gln
20 25 30

<210> 281
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 281
Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys Ser Gln
1 5 10 15

<210> 282
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 282
Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys Ser Gln
1 5 10 15

<210> 283
 <211> 36
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 283

Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Pro Arg Tyr
35

<210> 284

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 284

Tyr Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile
1 5 10 15

Gln Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile
20 25 30

His Thr Ala Glu Ile Arg Ala Thr Ser
35 40

<210> 285

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 285

Tyr Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu
1 5 10 15

Asn Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
20 25 30

His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg
35 40 45

<210> 286
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 286
Tyr Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu
1 5 10 15
Asn Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
20 25 30
His Asn Phe
35

<210> 287
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 287
Tyr Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
1 5 10 15
Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
20 25 30
Asn Phe

<210> 288
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 288
Tyr Leu Gln Asp Val His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala
1 5 10 15
Pro Arg Asp Ala Gly Ser
20

<210> 289
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 289
Phe Met His Asn Leu Gly Lys His Leu Ser Ser Met Glu Arg Val Glu
1 5 10 15
Trp Leu Arg Lys Lys Leu Gln Asp Val His Asn Tyr
20 25

<210> 290
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 290
Tyr Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys Glu Asp Asn Val
1 5 10 15
Leu Val Glu Ser His Glu Lys Ser Leu Gly
20 25

<210> 291
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 291
Tyr Lys Lys Glu Asp Asn Val Leu Val Glu Ser His Glu Lys Ser Leu
1 5 10 15
Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu Thr Lys Ala Lys Ser
20 25 30
Gln

<210> 292
<211> 22
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 292

Tyr Glu Lys Ser Leu Gly Glu Ala Asp Lys Ala Asp Val Asn Val Leu
1 5 10 15

Thr Lys Ala Lys Ser Gln
20

<210> 293

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 293

Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
20 25 30

Thr Ala

<210> 294

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 294

Ala Arg Ser Ala Trp
1 5

<210> 295

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 295

Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
20 25 30

Thr Ala

<210> 296

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 296

Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln Asp
1 5 10 15

Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His Thr
20 25 30

Ala

<210> 297

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 297

Tyr Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile
1 5 10 15

Gln Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile
20 25 30

His Thr Ala
35

<210> 298

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 298

Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
20 25 30

Thr Tyr

<210> 299

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 299

Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly Lys Ser Ile Gln
1 5 10 15

Asp Leu Arg Arg Arg Phe Phe Leu His His Leu Ile Ala Glu Ile His
20 25 30

Thr Ala Glu Ile Arg
35

<210> 300

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 300

Leu Leu His Asp Lys Gly Lys Ser Ile Gln Asp Leu Arg Arg Arg Phe
1 5 10 15

Phe Leu His His Leu Ile Ala Glu Ile His Thr Ala
20 25

<210> 301

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 301

Ala Thr Ser Glu Val Ser Pro Asn Ser Lys Pro Ser Pro Asn Thr Lys
1 5 10 15

Asn His Pro Val Arg Phe Gly Ser Asp Asp Glu
20 25

<210> 302

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 302

Tyr Leu Thr Gln Glu Thr Asn Lys Val Glu Thr Tyr Lys Glu Gln Pro
1 5 10 15

Leu Lys Thr Pro
20

<210> 303

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 303

Thr Arg Ser Ala Trp
1 5

<210> 304

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 304

Thr Arg Ser Ala Trp
1 5

<210> 305

<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 305
Thr Arg Ser Ala Trp Leu Asp Ser Gly Val Thr Gly Ser Gly Leu Glu
1 5 10 15
Gly Asp His Leu Ser Asp Thr Ser Thr Thr Ser Leu Glu Leu Asp Ser
20 25 30

<210> 306
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 306
Ser Ala Trp Leu Asp Ser Gly Val Thr Gly Ser Gly Leu Glu Gly Asp
1 5 10 15
His Leu Ser Asp Thr Ser Thr Thr Ser Leu Glu Leu Asp Ser Arg Arg
20 25 30

His

<210> 307
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 307
Thr Ala Leu Leu Trp Gly Leu Lys Lys Lys Lys Glu Asn Asn Arg Arg
1 5 10 15
Thr His His Met Gln Leu Met Ile Ser Leu Phe Lys Ser Pro Leu Leu
20 25 30

Leu Leu

<210> 308
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 308
Met Ile Pro Ala Lys Asp Met Ala Lys Val Met Ile Val Met Leu Ala
1 5 10 15
Ile Arg Phe Leu Thr Lys Ser Asp Gly Lys Ser Val Lys Lys Arg
20 25 30

<210> 309
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 309
Thr Ala Leu Leu Trp Gly Leu Lys Lys Lys Lys Gly Lys Gln Gln Lys
1 5 10 15
Asn Thr Ser Tyr Ala Thr Asn Asp Leu Ile Ile
20 25

<210> 310
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 310
Ala Thr Gln Arg Leu Ala Asn Phe Leu Val His Ser Ser Asn Asn Phe
1 5 10 15
Gly Ala Ile Leu Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 311
<211> 30
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 311

Ala Thr Gln Arg Leu Ala Asn Phe Leu Val Arg Ser Ser Asn Asn Leu
1 5 10 15

Gly Pro Val Leu Pro Pro Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 312

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 312

Val Leu Gly Lys Leu Ser Gln Glu Leu His Lys Leu Gln Thr Tyr Pro
1 5 10 15

Arg Thr Asn Thr Gly Ser Asn Thr Tyr
20 25

<210> 313

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 313

Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu Gln Thr Tyr Pro Arg
1 5 10 15

Thr Asn Thr Gly Ser Asn Thr Tyr
20

<210> 314

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 314

Ala Thr Gln Arg Leu Ala Asn Glu Leu Val Arg Leu Gln Thr Tyr Pro
1 5 10 15

Arg Thr Asn Val Gly Ser Asn Thr Tyr
20 25

<210> 315

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 315

Thr Gln Arg Leu Ala Asn Phe Leu Val His Ser Ser Asn Asn Phe Gly
1 5 10 15

Ala Ile Leu Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr
20 25

<210> 316

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 316

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile Arg Ser Ser Asn Asn Leu Gly Ala Ile Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 317

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 317

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 318
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 318
Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 319
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 319
Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala
1 5 10

<210> 320
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 320
Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser
1 5 10

<210> 321
<211> 37

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 321
Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15
Val Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val
20 25 30
Gly Ser Asn Thr Tyr
35

<210> 322
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 322
Ala Thr Gln Arg Leu Ala Asn Phe Leu Val Arg Ser Ser Asn Asn Leu
1 5 10 15
Gly Pro Val Leu Pro Pro Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 323
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 323
Ala Thr Gln Arg Leu Ala Asn Phe Leu Val His Ser Ser Asn Asn Phe
1 5 10 15
Gly Ala Ile Leu Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 324
<211> 30
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 324

Ala Thr Gln Arg Leu Ala Asn Phe Leu Val Arg Ser Ser Asn Asn Leu
1 5 10 15

Gly Pro Val Leu Pro Pro Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 325

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 325

Val Leu Gly Lys Leu Ser Gln Glu Leu His Lys Leu Gln Thr Tyr Pro
1 5 10 15

Arg Thr Asn Thr Gly Ser Asn Thr Tyr
20 25

<210> 326

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 326

Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu Gln Thr Tyr Pro Arg
1 5 10 15

Thr Asn Thr Gly Ser Asn Thr Tyr
20

<210> 327

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 327

Ala Thr Gln Arg Leu Ala Asn Glu Leu Val Arg Leu Gln Thr Tyr Pro

1	5	10	15
---	---	----	----

Arg Thr Asn Val Gly Ser Asn Thr Tyr
20 25

<210> 328
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 328
Thr Gln Arg Leu Ala Asn Phe Leu Val His Ser Ser Asn Asn Phe Gly
1 5 10 15

Ala Ile Leu Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr
20 25

<210> 329
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 329
Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile Arg Ser Ser Asn Asn Leu Gly Ala Ile Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 330
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 330
Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val

20

25

30

Gly Ser Asn Thr Tyr
35

<210> 331
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 331
Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 332
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 332
Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala
1 5 10

<210> 333
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 333
Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser
1 5 10

<210> 334
<211> 37
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 334

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 335

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 335

Ala Thr Gln Arg Leu Ala Asn Phe Leu Val Arg Ser Ser Asn Asn Leu
1 5 10 15

Gly Pro Val Leu Pro Pro Thr Asn Val Gly Ser Asn Thr Tyr
20 25 30

<210> 336

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 336

Ser Gln Gly Thr Phe Thr Ser Glu Tyr Ser Lys Tyr Leu Asp Ser Arg
1 5 10 15

Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
20 25

<210> 337

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 337

His Gly Glu Gly Thr Ser Asp Leu Ser Lys Gln Met Glu Glu Ala Arg
1 5 10 15

Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser Ser Gly Ala Pro
20 25 30

Pro Pro Ser
35

<210> 338

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 338

His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
1 5 10 15

Arg Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
20 25

<210> 339

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 339

Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
1 5 10

<210> 340

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 340

Phe Val Gln Trp Leu Met Asn Thr
1 5

<210> 341
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 341
Ser Gln Gly Thr Phe Thr Ser Glu Tyr Ser Lys Tyr Leu Asp Ser Arg
1 5 10 15
Arg Ala Gln Asp Phe Val Gln Trp Leu Met Asn Thr
20 25

<210> 342
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 342
His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
1 5 10 15
Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
20 25 30
Val Lys Gly Arg
35

<210> 343
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 343
His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
1 5 10 15
Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
20 25 30
Val Lys Gly Arg Gly
35

<210> 344
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 344
His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15
Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
20 25 30

<210> 345
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 345
His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
1 5 10 15
Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
20 25 30

Asp

<210> 346
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 346
His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn
1 5 10 15
Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr
20 25 30

Asp Arg

<210> 347
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 347
His Ser Glu Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
1 5 10 15
Arg Arg Ala Glu Asp Phe Val Glu Trp Leu Met Asn Thr Lys Arg Asn
20 25 30
Lys Asn Asn Ile Ala
35

<210> 348
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 348
His Ser Glu Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
1 5 10 15
Arg Arg Ala Glu Asp Phe Val Glu Trp Leu Met Asn Thr Lys Arg Asn
20 25 30
Lys Asn Asn Ile Ala
35

<210> 349
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 349
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 350
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 350
His Ala Asp Gly Thr Leu Thr Ser Asp Ile Ser Ser Phe Leu Glu Lys
1 5 10 15
Gln Ala Thr Lys Glu Phe Ile Ala Trp Leu Val Ser Gly Arg Gly Arg
20 25 30

Arg Gln

<210> 351
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 351
His Ser Gln Gly Thr Phe Thr Ser Asp Tyr Ser Lys Tyr Leu Asp Ser
1 5 10 15
Lys Lys Ala Gln Glu Phe Val Gln Trp Leu Met Asn Thr
20 25

<210> 352
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 352
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15
Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 353
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 353
His Ala Asp Gly Ser Phe Thr Ser Asp Ile Asn Lys Val Leu Asp Thr
1 5 10 15
Ile Ala Ala Lys Glu Phe Leu Asn Trp Leu Ile Ser Thr Lys Val Thr
20 25 30

Glu

<210> 354
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 354
His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
1 5 10 15
Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
20 25 30

Val Lys Gly Arg
35

<210> 355
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 355
His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
20 25 30

<210> 356
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<221> VARIANT
<222> (1)...(19)
<223> Xaa = Any Amino Acid

<400> 356
Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val
1 5 10 15

Xaa Gly Arg

<210> 357
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 357
Ser Asp Val Ser
1

<210> 358
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 358
Thr Ser Asp Val Ser
1 5

<210> 359
<211> 6
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 359

Phe Thr Ser Asp Val Ser
1 5

<210> 360

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 360

Thr Phe Thr Ser Asp Val Ser
1 5

<210> 361

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 361

Gly Thr Phe Thr Ser Asp Val Ser
1 5

<210> 362

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 362

Glu Gly Thr Phe Thr Ser Asp Val Ser
1 5

<210> 363

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 363

Ala Glu Gly Thr Phe Thr Ser Asp Val Ser
1 5 10

<210> 364

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 364

His Ser Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 365

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 365

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser
35

<210> 366

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 366

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Tyr
20 25 30

<210> 367

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 367

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Tyr
20 25 30

<210> 368

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 368

Asp Leu Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Met Ile Glu
1 5 10 15

Trp Leu Lys Asn Gly Gly Pro Ser Ser Gly Ala Pro Pro Pro Ser
20 25 30

<210> 369

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 369

His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val
1 5 10 15

Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
20 25 30

Val Lys Gly Arg Lys
35

<210> 370
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 370
His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Lys
20 25 30

<210> 371
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 371
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 372
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 372
His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 373

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 373

His Ser Asp Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
1 5 10 15

Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Ser
20 25 30

Ser Gly Ala Pro Pro Pro Ser Lys
35 40

<210> 374

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 374

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Glu Met Glu Glu
1 5 10 15

Glu Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Pro Tyr
20 25 30

<210> 375

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 375

His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Glu Met Glu Glu
1 5 10 15

Glu Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly Gly Tyr
20 25 30

<210> 376

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 376

Asp Leu Ser Lys Gln Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu
1 5 10 15

Trp Leu Lys Gly Gly Pro Ser Ser Gly Pro Pro Pro Ser
20 25

<210> 377

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 377

Glu Ala Glu Asp Leu Gln Val Gly Gln Val Glu Leu Gly Gly Gly Pro
1 5 10 15

Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln
20 25 30

<210> 378

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 378

Tyr Glu Ala Glu Asp Leu Gln Val Gly Gln Val Glu Leu Gly Gly Gly
1 5 10 15

Pro Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln
20 25 30

<210> 379
<211> 51
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 379
Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
1 5 10 15
Glu Asn Tyr Cys Asn Phe Val Asn Gln His Leu Cys Gly Ser His Leu
20 25 30
Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr
35 40 45
Pro Lys Thr
50

<210> 380
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 380
Asp Val Ser Thr Pro Pro Thr Val Leu Pro Asp Asn Phe Pro Arg Tyr
1 5 10 15

<210> 381
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 381
Arg Asp Val Ser Thr Pro Pro Thr Val Leu Pro Asp Asn Phe Pro Arg
1 5 10 15

Tyr Pro Val Gly Lys Phe Phe Gln Tyr Asp Thr Trp Lys Gln Ser Thr
20 25 30

Gln Arg Leu
35

<210> 382
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 382
Gly Leu Pro Ala Leu Leu Arg Ala Arg Arg Gly His Val Leu Ala Lys
1 5 10 15
Glu Leu Glu Ala Phe Arg Glu Ala
20

<210> 383
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 383
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15
Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Leu Thr
20 25 30
Arg Pro Arg Tyr
35

<210> 384
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 384
Pro Asp Lys Asp Phe Ile Val Asn Pro Ser Asp Leu Val Leu Asp Asn
1 5 10 15
Lys Ala Ala Leu Arg Asp Tyr Leu Arg Gln Ile Asn Glu Tyr Phe Ala
20 25 30
Ile Ile Gly Arg Pro Arg Phe
35

<210> 385
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 385
Phe Met Arg
1

<210> 386
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 386
Cys Trp Arg Tyr Cys Trp Arg Tyr
1 5

<210> 387
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 387
Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 388
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 388

Tyr Pro Ser Lys Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp
1 5 10 15

Met Ala Arg Tyr Tyr Ser Ala Leu
20

<210> 389

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 389

Ile Gly Pro Tyr Arg Leu Arg Tyr
1 5

<210> 390

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 390

Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
1 5 10 15

Leu Ile Arg Phe Tyr Asp Asn Leu Gln Gln Tyr Leu Asn Val Val Thr
20 25 30

Arg His Arg Tyr
35

<210> 391

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 391

Ala Pro Leu Glu Pro Val Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln
1 5 10 15

Met Ala Gln Tyr Ala Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu Thr

20

25

30

Arg Pro Arg Tyr
35

<210> 392
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 392
Leu Thr Arg Pro Arg Tyr
1 5

<210> 393
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 393
Leu Thr Arg Pro Arg Tyr
1 5

<210> 394
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 394
Ala Pro Ser Glu Pro His His Pro Gly Asp Gln Ala Thr Gln Asp Gln
1 5 10 15

Leu Ala Gln Tyr Tyr Ser Asp Leu Tyr Gln Tyr Ile Thr Phe Val Thr
20 25 30

Arg Pro Arg Phe
35

<210> 395
<211> 36
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 395

Ala Pro Leu Glu Pro Met Tyr Pro Gly Asp Tyr Ala Thr His Glu Gln
1 5 10 15

Arg Ala Gln Tyr Glu Thr Gln Leu Arg Arg Tyr Ile Asn Thr Leu Thr
20 25 30

Arg Pro Arg Tyr
35

<210> 396

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 396

Tyr Pro Pro Lys Pro Glu Asn Pro Gly Glu Asp Ala Pro Pro Glu Glu
1 5 10 15

Leu Ala Lys Tyr Tyr Thr Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 397

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 397

Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15

Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30

Arg Gln Arg Tyr
35

<210> 398
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 398
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30
Arg Tyr

<210> 399
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 399
Tyr Pro Ala Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15
Leu Ser Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr
20 25 30
Arg Gln Arg Tyr
35

<210> 400
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 400
Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu
1 5 10 15
Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Leu Thr
20 25 30
Arg Pro Arg Tyr

<210> 401
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 401
 Glu Gln Asp Tyr Thr Gly Trp Met Asp Phe
 1 5 10

<210> 402
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 402
 Lys Ala Pro Ser Gly Arg Met Ser Ile Val Lys Asn Leu Gln Asn Leu
 1 5 10 15

Asp Pro Ser His Arg Ile Ser Asp Arg Asp Tyr Met Gly Trp Met Asp
 20 25 30

Phe

<210> 403
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 403
 Asp Tyr Met Gly
 1

<210> 404
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 404

Asp Tyr Met Gly Trp Met Asp Phe
1 5

<210> 405

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 405

Asp Tyr Met Gly Trp Met Asp Phe
1 5

<210> 406

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 406

Tyr Met Gly Trp Met Asp Phe
1 5

<210> 407

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 407

Trp Met Asp Phe
1

<210> 408

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 408

Lys Ala Pro Ser Gly Arg Val Ser Met Ile Lys Asn Leu Gln Ser Leu
1 5 10 15

Asp Pro Ser His Arg Ile Ser Asp Arg Asp Tyr Met Gly Trp Met Asp
20 25 30

Phe

<210> 409

<400> 409

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<210> 410

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 410

Ser Ala Glu Glu Tyr Glu Tyr Pro Ser
1 5

<210> 411

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 411

Asp Tyr Met Gly Trp
1 5

<210> 412

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 412

Asp Tyr Met Gly Trp Met
1 5

<210> 413
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 413
Val Pro Val Glu Ala Val Asp Pro Met
1 5

<210> 414

<400> 414
000

<210> 415
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 415
Asp Tyr Met Gly Trp Met Asp Phe
1 5

<210> 416
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 416
Met Lys Val Ala Ile Ile Phe Leu Leu Ser Ala Leu Ala Leu Leu Asn
1 5 10 15

Leu Ala Gly Asn Thr Thr Ala
20

<210> 417
<211> 27

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 417
Val Pro Leu Pro Ala Gly Gly Gly Thr Val Leu Thr Lys Met Tyr Pro
1 5 10 15
Arg Gly Asn His Trp Ala Val Gly His Leu Met
20 25

<210> 418
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 418
Val Pro Leu Pro Ala Gly Gly Gly Thr Val Leu Thr Lys Met Tyr Pro
1 5 10 15

<210> 419
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 419
Ala Pro Val Ser Val Gly Gly Gly Thr Val Leu Ala Lys Met Tyr Pro
1 5 10 15

Arg Gly Asn His Trp Ala Val Gly His Leu Met
20 25

<210> 420
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 420
Met Tyr Pro Arg Gly Asn His Trp Ala Val Gly His Leu Met

1

5

10

<210> 421

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 421

Phe Leu Pro His Val Phe Ala Glu Leu Ser Asp Arg Lys Gly Phe Val
1 5 10 15Gln Gly Asn Gly Ala Val Glu Ala Leu His Asp His Phe Tyr Pro Asp
20 25 30Trp Met Asp Phe
35

<210> 422

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 422

Glu Gly Pro Trp Leu Glu Glu Glu Glu Glu Ala Tyr Gly Trp Met Asp
1 5 10 15

Phe

<210> 423

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 423

Glu Leu Gly Pro Gln Gly Pro Pro His Leu Val Ala Asp Pro Ser Lys
1 5 10 15Lys Gln Gly Pro Trp Leu Glu Glu Glu Glu Glu Ala Tyr Gly Trp Met
20 25 30

Asp Phe

<210> 424
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 424
Glu Arg Pro Pro Met Glu Glu Glu Glu Glu Ala Tyr Gly Trp Met Asp
1 5 10 15

Phe

<210> 425
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 425
Ala Trp Met Asp Phe
1 5

<210> 426
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 426
Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
1 5 10 15

Ile His Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys Gly Lys
20 25 30

Lys Asn Asp Trp Lys His Asn Ile Thr Gln
35 40

<210> 427
<211> 42
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 427

Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
1 5 10 15

Ile Arg Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys Gly Lys
20 25 30

Lys Ser Asp Trp Lys His Asn Ile Thr Gln
35 40

<210> 428

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 428

Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
1 5 10 15

Ile Arg Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys
20 25 30

<210> 429

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 429

Tyr Ala Glu Gly Thr Phe Ile Ser Asp Tyr Ser Ile Ala Met Asp Lys
1 5 10 15

Ile Arg Gln Gln Asp Phe Val Asn Trp Leu Leu Ala Gln Lys
20 25 30

<210> 430

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 430

Phe Val Pro Ile Phe Thr His Ser Glu Leu Gln Lys Ile Arg Glu Lys
1 5 10 15

Glu Arg Asn Lys Gly Gln
20

<210> 431

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 431

Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg Met Gln Glu Lys
1 5 10 15

Glu Arg Asn Lys Gly Gln
20

<210> 432

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 432

Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Gln Arg Leu Gln Glu Lys
1 5 10 15

Glu Arg Asn Lys Gly Gln
20

<210> 433

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 433

Phe Val Pro Ile Phe Thr Tyr Gly Glu Leu Arg Leu Gln Glu Lys Glu
1 5 10 15

Arg Asn Lys Gly Gln
20

<210> 434
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 434
Ile Ala Arg Arg His Pro Tyr Phe Leu
1 5

<210> 435
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 435
His Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Arg Glu Ser
1 5 10 15

Ala Arg Leu Gln Arg Leu Leu Gln Gly Leu Val
20 25

<210> 436
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 436
His Ser Asp Gly Leu Phe Thr Ser Glu Tyr Ser Lys Met Arg Gly Asn
1 5 10 15

Ala Gln Val Gln Lys Phe Ile Gln Asn Leu Met
20 25

<210> 437
<211> 27
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 437

His	Ser	Asp	Gly	Thr	Phe	Thr	Ser	Glu	Leu	Ser	Arg	Leu	Arg	Glu	Gly
1				5					10					15	

Ala	Arg	Leu	Gln	Arg	Leu	Leu	Gln	Gly	Leu	Val
			20					25		

<210> 438

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 438

His	Ser	Asp	Gly	Thr	Phe	Thr	Ser	Glu	Leu	Ser	Arg	Leu	Arg	Asp	Ser
1				5					10					15	

Ala	Arg	Leu	Gln	Arg	Leu	Leu	Gln	Gly	Leu	Val
			20					25		

<210> 439

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 439

His	Ser	Asp	Gly	Thr	Phe	Thr	Ser	Glu	Leu	Ser	Arg	Leu	Gln	Asp	Ser
1				5					10					15	

Ala	Arg	Leu	Gln	Arg	Leu	Leu	Gln	Gly	Leu	Val
			20					25		

<210> 440

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 440

Ser Asp Gly Thr Phe Thr Ser Glu Leu Ser Arg Leu Arg Asp Ser Ala
1 5 10 15

Arg Leu Gln Arg Leu Leu Gly Gly Leu Val
20 25

<210> 441
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 441
Ala Ala Met Leu Ala Ser Gln Thr Glu Ala Phe Val Pro Ile Phe Thr
1 5 10 15

Tyr Gly Glu Leu Gln Arg Met Gln Glu Lys Glu Arg Asn Lys Gly Gln
20 25 30

<210> 442
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 442
His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Arg Gln
1 5 10 15

Leu Ala Val Arg Arg Tyr Leu Asn Ser Ile Leu Asn
20 25

<210> 443
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 443
His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Arg Gln
1 5 10 15

Leu Ala Val Arg Arg Tyr Leu Asn Ser Ile Leu Asn Gly Lys Arg
20 25 30

<210> 444
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 444
Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
1 5 10

<210> 445
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 445
His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Arg Leu Leu Gly Gln
1 5 10 15

Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Ile
20 25

<210> 446
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 446
His Ala Asp Gly Val Phe Thr Ser Asp Tyr Ser Arg Leu Leu Gly Gln
1 5 10 15

Ile Ser Ala Lys Lys Tyr Leu Glu Ser Leu Ile
20 25

<210> 447
<211> 27
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 447

His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Lys Leu Leu Gly Gln
1 5 10 15

Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Met
20 25

<210> 448

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 448

His Ala Asp Gly Val Phe Thr Ser Asp Phe Ser Lys Leu Leu Gly Gln
1 5 10 15

Leu Ser Ala Lys Lys Tyr Leu Glu Ser Leu Met Gly Lys Arg Val Ser
20 25 30

Ser Asn Ile Ser Glu Asp Pro Val Pro Val
35 40

<210> 449

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 449

Val Ser Ser Asn Ile Ser Glu Asp Pro Val Pro Val
1 5 10

<210> 450

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 450

Ser Ser Glu Gly Glu Ser Pro Asp Phe Pro Glu Glu Leu Glu Lys

1

5

10

15

<210> 451

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 451

Cys Ser Cys Asn Ser Trp Leu Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15Leu Asp Ile Ile Trp
20

<210> 452

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 452

His Ser Asp Ala Val Phe Thr Asp Asn Tyr Ser Arg Phe Arg Lys Gln
1 5 10 15Met Ala Val Lys Lys Tyr Leu Asn Ser Val Leu Thr
20 25

<210> 453

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 453

His Ser Asp Ala Leu Phe Thr Asp Thr Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15Met Ala Met Lys Lys Tyr Leu Asn Ser Val Leu Asn
20 25

<210> 454

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 454

His	Ser	Asp	Ala	Val	Phe	Thr	Asp	Asn	Tyr	Thr	Arg	Leu	Arg	Lys	Gln
1				5					10					15	

Met	Ala	Val	Lys	Lys	Tyr	Leu	Asn	Ser	Ile	Leu	Asn
			20					25			

<210> 455

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 455

His	Ser	Asp	Ala	Val	Phe	Thr	Asp	Asn	Tyr	Thr	Arg	Leu	Arg	Lys	Gln
1				5					10					15	

Met	Ala	Val	Lys	Lys	Tyr	Leu	Asn	Ser	Ile	Leu	Asn
			20					25			

<210> 456

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 456

His	Ser	Asp	Ala	Val	Phe	Thr	Asp	Asn	Tyr	Thr	Arg
1				5					10		

<210> 457

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 457

Tyr	Thr	Arg	Leu	Arg	Lys	Gln	Met	Ala	Val	Lys	Lys	Tyr	Leu	Asn	Ser
1					5					10				15	

Ile Leu Asn

<210> 458
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 458
Thr Arg Leu Arg Lys Gln Met Ala Val Lys Lys Tyr Leu Asn Ser Ile
1 5 10 15

Leu Asn

<210> 459
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 459
His Ser Asp Ala Val Phe Thr Asp Asn Ser Arg Phe Arg Lys Gln Met
1 5 10 15

Ala Ala Lys Lys Tyr Leu Asn Ser Val Leu Ala
20 25

<210> 460
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 460
Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln Met Ala Val Lys Lys
1 5 10 15

Tyr Leu Asn Ser Ile Leu Asn
20

<210> 461

<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 461
Lys Pro Arg Arg Pro Tyr Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15
Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
20 25

<210> 462
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 462
Tyr Phe Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
20 25

<210> 463
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 463
His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
1 5 10 15
Leu Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
20 25

<210> 464
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 464

Leu Met Tyr Pro Thr Tyr Leu Lys
1 5

<210> 465

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 465

Met Met Arg Asp Ser Gly Cys Phe Gly Arg Arg Ile Asp Arg Ile Gly
1 5 10 15

Ser Leu Ser Gly Met Gly Cys Asn Gly Ser Arg Lys Asn
20 25

<210> 466

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 466

Gly Phe Ile Trp Gly Asn Ile Phe Gly His Tyr Ser Gly Asp Phe
1 5 10 15

<210> 467

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 467

Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg
1 5 10

<210> 468

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 468

Ser Ser Asp Cys Phe Gly Ser Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Met Gly Cys Gly Arg Arg Phe
20

<210> 469

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 469

Cys Phe Gly Ser Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly Met Gly
1 5 10 15

Cys Gly Arg Phe
20

<210> 470

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 470

Cys Phe Gly Ser Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly Met Gly
1 5 10 15

Cys Gly Arg Arg Phe
20

<210> 471

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 471

Ser Ser Asp Cys Phe Gly Ser Arg Ile Asp Arg Ile Gly Ala Gln Ser

1 5 10 15

Gly Met Gly Cys Gly Arg Arg Phe

20

<210> 472

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 472

Ala Pro Arg Ser Met Arg Arg Ser Ser Asp Cys Phe Gly Ser Arg Ile

1 5 10 15

Asp Arg Ile Gly Ala Gln Ser Gly Met Gly Cys Gly Arg Phe

20 25 30

<210> 473

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 473

Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly

1 5 10 15

Leu Gly Cys Asn Ser Phe Arg Tyr

20

<210> 474

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 474

Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly

1 5 10 15

Cys

<210> 475
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 475
Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly
1 5 10 15

Cys Asn Ser Phe Arg Tyr
20

<210> 476
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 476
Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
1 5 10 15

Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 477
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 477
Arg Cys Gly Gly Arg Ile Asp Arg Ile Arg Cys
1 5 10

<210> 478
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 478

Arg Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln
1 5 10 15

Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 479

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 479

Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln
1 5 10 15

Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 480

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 480

Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 481

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 481

Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly
1 5 10 15

Leu Gly Cys Asn Ser Phe Arg
20

<210> 482
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 482
Ser Lys Ser Ser Ser Pro Cys Phe Gly Gly Lys Leu Asp Arg Ile Gly
1 5 10 15
Ser Tyr Ser Gly Leu Gly Cys Asn Ser Arg Lys
20 25

<210> 483
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 483
Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly
1 5 10 15
Leu Gly Cys Asn Ser
20

<210> 484
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 484
Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly
1 5 10 15
Leu Gly Cys Asn Ser Phe Arg
20

<210> 485
<211> 24
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 485

Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly
1 5 10 15

Leu Gly Cys Asn Ser Phe Arg Tyr
20

<210> 486

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 486

Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly
1 5 10 15

Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 487

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 487

Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Leu Gly Cys Asn Ser Phe Arg
20

<210> 488

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 488

Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15

Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 489

<211> 56

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 489

Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
1 5 10 15

Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr Ser Leu Arg Arg
20 25 30

Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly
35 40 45

Leu Gly Cys Asn Ser Phe Arg Tyr
50 55

<210> 490

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 490

Ala Gly Pro Arg Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Ile
1 5 10 15

Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25 30

<210> 491

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 491

Ser Lys Ser Ser Ser Pro Cys Phe Gly Gly Lys Leu Asp Arg Ile Gly
1 5 10 15

Ser Tyr Ser Gly Leu Gly Cys Asn Ser Arg Lys
20 25

<210> 492

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 492

Asn Pro Met Tyr Asn Ala Val Ser Asn Ala Asp Leu Met Asp Phe Lys
1 5 10 15

<210> 493

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 493

Arg Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Cys
1 5 10 15

<210> 494

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 494

Ser Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly
1 5 10 15

Asn Ser Phe Arg Tyr
20

<210> 495

<211> 28

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 495

Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly
1 5 10 15

Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25

<210> 496

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 496

Phe Ala Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys
1 5 10 15

Asn Ser Phe Arg Tyr
20

<210> 497

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 497

Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser Lys Leu Arg
1 5 10

<210> 498

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 498

Asn Pro Met Tyr Asn Ala Val Ser Asn Ala Asp Leu Met Asp Phe Lys

1

5

10

15

Asn Leu Leu Asp His Leu Glu Glu Lys Met Pro Leu Glu Asp
 20 25 30

<210> 499

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 499

Glu Val Val Pro Pro Gln Val Leu Ser Glu Pro Asn Glu Glu Ala Gly
 1 5 10 15

Ala Ala Leu Ser Pro Leu Pro Glu Val Pro Pro Trp Thr Gly Glu Val
 20 25 30

Ser Pro Ala Gln Arg
 35

<210> 500

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 500

Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser Lys Leu Arg Ala Leu Leu
 1 5 10 15

Thr Ala Pro Arg
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<210> 501

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 501

Ser Lys Ser Ser Ser Pro Cys Phe Gly Gly Lys Leu Asp Arg Ile Gly
 1 5 10 15

Ser Tyr Ser Gly Leu Gly Cys Asn Ser Arg Lys

20

.25

<210> 502
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 502
Tyr Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15
Gly Leu Gly Cys Asn Ser Phe Arg
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<210> 503
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 503
Tyr Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser Lys Leu Arg Ala Leu
1 5 10 15
Leu Thr Ala Pro Arg
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<210> 504
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 504
Thr Ala Pro Arg Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met
1 5 10 15
Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
20 25 30

<210> 505
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 505
Tyr Ser Ser Cys Phe Gly Gly Arg Ile Asp Arg Ile Gly Ala Gln Ser
1 5 10 15
Gly Leu Gly Cys Asn Ser Phe Arg
20

<210> 506
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 506
Ser Phe Asn Ser Cys Phe Gly Asn Arg Ile Glu Arg Ile Gly Ser Trp
1 5 10 15
Ser Gly Leu Gly Cys Asn Asn Val Lys Thr Gly Asn Lys Lys Arg Ile
20 25 30
Phe Gly Asn
35

<210> 507
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 507
Ser Pro Lys Met Met His Lys Ser Gly Cys Phe Gly Arg Arg Leu Asp
1 5 10 15
Arg Ile Gly Ser Leu Ser Gly Leu Gly Cys Asn Val Leu Arg Lys Tyr
20 25 30

<210> 508
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 508
Gly Trp Asn Arg Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser
1 5 10 15

Leu Ser Gly Leu Gly Cys
20

<210> 509
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 509
Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp
1 5 10 15

Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
20 25 30

<210> 510
<211> 45
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 510
Ser Gln Gly Ser Thr Leu Arg Val Gln Gln Arg Pro Gln Asn Ser Lys
1 5 10 15

Val Thr His Ile Ser Ser Cys Phe Gly His Lys Ile Asp Arg Ile Gly
20 25 30

Ser Val Ser Arg Leu Gly Cys Asn Ala Leu Lys Leu Leu
35 40 45

<210> 511
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 511
Asp Ser Gly Cys Phe Gly Arg Arg Leu Asp Arg Ile Gly Ser Leu Ser
1 5 10 15
Gly Leu Gly Cys Asn Val Leu Arg Arg Tyr
20 25

<210> 512
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 512
Ser Pro Lys Thr Met Arg Asp Ser Gly Cys Phe Gly Arg Arg Leu Asp
1 5 10 15
Arg Ile Gly Ser Leu Ser Gly Leu Gly Cys Asn Val Leu Arg Arg Tyr
20 25 30

<210> 513
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 513
Asn Ser Lys Met Ala His Ser Ser Ser Cys Phe Gly Gln Lys Ile Asp
1 5 10 15
Arg Ile Gly Ala Val Ser Arg Leu Gly Cys Asp Gly Leu Arg Leu Phe
20 25 30

<210> 514
<211> 45
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 514
Ser Gln Asp Ser Ala Phe Arg Ile Gln Glu Arg Leu Arg Asn Ser Lys
1 5 10 15
Met Ala His Ser Ser Ser Cys Phe Gly Gln Lys Ile Asp Arg Ile Gly
20 25 30
Ala Val Ser Arg Leu Gly Cys Asp Gly Leu Arg Leu Phe
35 40 45

<210> 515
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 515
Tyr Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met
1 5 10 15
Asp Arg Leu Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg
20 25 30

His

<210> 516
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 516
Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp
1 5 10 15
Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His
20 25 30

<210> 517
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 517
Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser
1 5 10 15
Met Ser Gly Leu Gly Cys
20

<210> 518
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 518
Gly Leu Ser Arg Ser Cys Phe Gly Val Lys Leu Asp Arg Ile Gly Ser
1 5 10 15
Met Ser Gly Leu Gly Cys
20

<210> 519
<211> 53
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 519
Asp Leu Arg Val Asp Thr Lys Ser Arg Ala Ala Trp Ala Arg Leu Leu
1 5 10 15
Gln Glu His Pro Asn Ala Arg Lys Tyr Lys Gly Ala Asn Lys Lys Gly
20 25 30
Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Met
35 40 45
Ser Gly Leu Gly Cys

<210> 520
 <211> 53
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 520
 Asp Leu Arg Val Asp Thr Lys Ser Arg Ala Ala Trp Ala Arg Leu Leu
 1 5 10 15
 His Glu His Pro Asn Ala Arg Lys Tyr Lys Gly Gly Asn Lys Lys Gly
 20 25 30
 Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Met
 35 40 45
 Ser Gly Leu Gly Cys
 50

<210> 521
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 521
 Lys Pro Gly Thr Pro Pro Lys Val Pro Arg Thr Pro Pro Gly Glu Glu
 1 5 10 15
 Leu Ala Glu Pro Gln Ala Ala Gly Gly Asn Gln
 20 25

<210> 522
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 522
 Gly Asp Lys Thr Pro Gly Gly Gly Gly Ala Asn Leu Lys Gly Asp Arg
 1 5 10 15
 Ser Arg Leu Leu Arg

<210> 523
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 523
 Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser
 1 5 10 15
 Met Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr
 20 25

<210> 524
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 524
 Tyr Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly
 1 5 10 15
 Ser Met Ser Gly Leu Gly Cys
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<210> 525
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 525
 Asp Ala Phe Val Ala Leu Met
 1 5

<210> 526
 <211> 7
 <212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 526

Asp Ala Phe Val Ala Leu Met
1 5

<210> 527

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 527

Glu Pro Ser Lys Asp Ala Phe Ile Gly Leu Met
1 5 10

<210> 528

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 528

Gly Pro Ser Gly Phe Tyr Gly Val Arg
1 5

<210> 529

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 529

Ala Pro Leu Ser Gly Phe Tyr Gly Val Arg
1 5 10

<210> 530

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 530

Asp Ser Phe Val Gly Leu Met
1 5

<210> 531

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 531

His Lys Thr Asp Ser Phe Val Gly Leu Met
1 5 10

<210> 532

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 532

His Lys Ile Asn Ser Phe Val Gly Leu Met
1 5 10

<210> 533

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 533

Tyr His Lys Thr Asp Ser Phe Val Gly Leu Met
1 5 10

<210> 534

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 534
His Lys Thr Asp Ser Tyr Val Gly Leu Met
1 5 10

<210> 535
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 535
Lys Asp Ser Phe Val Gly Met
1 5

<210> 536
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 536
Arg Ala Trp Phe Pro Pro
1 5

<210> 537
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 537
Ala Ala Trp Phe Pro Pro
1 5

<210> 538
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 538
Ala Ala Trp Phe Pro Pro
1 5

<210> 539
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 539
Asp Ser Phe Val Ala Leu Met
1 5

<210> 540
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 540
Asp Ser Phe Val Gly Leu
1 5

<210> 541
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 541
Asp Ser Phe Trp Ala Leu Met
1 5

<210> 542
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 542

Asp Tyr Trp Val Trp Trp Arg
1 5

<210> 543
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 543
Asp Tyr Trp Val Trp Trp Lys
1 5

<210> 544
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 544
Asp Met His Asp Phe Phe Val Gly Leu Met
1 5 10

<210> 545
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 545
Asp Met His Asp Phe Phe Gly Leu Met
1 5

<210> 546
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 546
Asp Met His Asp Phe Phe Pro Gly Leu Met

1

5

10

<210> 547

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 547

Tyr Asp Met His Asp Phe Phe Val Gly Leu Met

1

5

10

<210> 548

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 548

Asp Pro His Asp Phe Trp Val Trp Leu

1

5

<210> 549

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 549

Gly Asn Leu Trp Ala Thr Gly His Phe Met

1

5

10

<210> 550

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 550

Leu Ser Trp Asp Leu Pro Glu Pro Arg Ser Arg Ala Gly Lys Ile Arg

1

5

10

15

Val His Pro Arg Gly Asn Leu Trp Ala Thr Gly His Phe Met
20 25 30

<210> 551
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 551
Ala Pro Leu Ser Trp Asp Leu Pro Glu Pro Arg Ser Arg Ala Gly Lys
1 5 10 15
Ile Arg Val His Pro Arg Gly Asn Leu Trp Ala Thr Gly His Phe Met
20 25 30

<210> 552
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 552
Cys Tyr Trp Val Cys
1 5

<210> 553
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 553
Gly Asn His Trp Ala Val Gly His Leu Met
1 5 10

<210> 554
<211> 6
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 554

Lys Ile Pro Tyr Ile Leu
1 5

<210> 555

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 555

Tyr Phe Leu Phe Arg Pro Arg Asn
1 5

<210> 556

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 556

Phe Lys Val Asp Glu Glu Phe Gln Gly Pro Ile Val Ser Gln Asn Arg
1 5 10 15

Arg Tyr Phe Leu Phe Arg Pro Arg Asn
20 25

<210> 557

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 557

Tyr Lys Val Asn Glu Tyr Gln Gly Pro Val Ala Pro Ser Gly Gly Phe
1 5 10 15

Phe Leu Phe Arg Pro Arg Asn
20

<210> 558
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 558
Asp Ala Gly His Gly Gln Ile Ser His Lys Arg His Lys Thr Asp Ser
1 5 10 15
Phe Val Gly Leu Met
20

<210> 559
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 559
Pro Asn Pro Asp Glu Phe Val Gly Leu Met
1 5 10

<210> 560
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 560
Glu Leu Trp Ala Val Gly Ser Phe Met
1 5

<210> 561
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 561
Glu Leu Trp Ala Val Gly Ser Leu Met

1

5

<210> 562

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 562

Glu Ala Asp Pro Asn Lys Phe Tyr Gly Leu Met

1

5

10

<210> 563

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 563

Glu Ala Asp Pro Asn Lys Phe Tyr

1

5

<210> 564

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 564

Ser Pro Ser Asn Ser Lys Cys Pro Asp Gly Pro Asp Cys Phe Val Gly

1

5

10

15

Leu Met

<210> 565

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 565
Asp Phe Gly Leu Met
1 5

<210> 566
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 566
Asp Asp Phe Gly Leu Met
1 5

<210> 567
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 567
Gly Ser His Trp Ala Val Gly His Leu Met
1 5 10

<210> 568
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 568
Gly Lys Arg Asp Ala Asp Ser Ser Ile Glu Lys Gln Val Ala Leu Leu
1 5 10 15

Lys Ala Leu Tyr Gly His Gly
20

<210> 569
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 569

Ala Leu Asn Ser Val Ala Tyr Glu Arg Ser Ala Met Gln Asn Tyr Glu
1 5 10 15

Arg Arg Arg

<210> 570

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 570

Lys Trp Cys Phe Arg Val Cys Tyr Arg Gly Ile Cys Tyr Arg Arg Cys
1 5 10 15

Arg

<210> 571

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 571

Glu Gly Lys Arg Pro Trp Ile Leu
1 5

<210> 572

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 572

Met Leu Thr Lys Phe Glu Thr Lys Ser Ala Arg Val Lys Gly Leu Ser
1 5 10 15

Phe His Pro Lys Arg Pro Trp Ile Leu
20 25

<210> 573
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 573
Asp Met His Asp Phe Phe Val Gly Leu Met
1 5 10

<210> 574
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 574
His Lys Thr Asp Ser Phe Val Gly Leu Met
1 5 10

<210> 575
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 575
Asp Ala Asp Ser Ser Ile Glu Lys Gln Val Ala Leu Leu Lys Ala Leu
1 5 10 15

Tyr Gly His Gly Gln Ile Ser His
20

<210> 576
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 576
Glu Gln Trp Phe Trp Trp Met

1

5

<210> 577

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 577

Arg Phe Phe Leu Met

1

5

<210> 578

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 578

Arg Pro Arg Pro Gln Gln Phe Phe Gly Leu Met

1

5

10

<210> 579

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 579

Arg Trp Phe Trp Leu Met

1

5

<210> 580

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 580

Trp Met

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<210> 581
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 581
Arg Phe Phe Leu Met
1 5

<210> 582
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 582
Arg Trp Phe Trp Leu Met
1 5

<210> 583
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 583
Ala Gln Gln Phe Phe Gly Leu Met
1 5

<210> 584
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 584
Tyr Phe Phe His Leu Met
1 5

<210> 585
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 585
Arg Pro Lys Pro Gln Gln Phe Tyr Gly Leu Met
1 5 10

<210> 586
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 586
Arg Pro Lys Pro Gln Gln Phe Phe Leu Met
1 5 10

<210> 587
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 587
Arg Pro Lys Pro Gln Gln Phe Phe His Leu Met
1 5 10

<210> 588
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 588
Arg Pro Lys Pro Gln Gln Phe Phe Trp Leu Met
1 5 10

<210> 589
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 589
Arg Pro Lys Pro Gln Gln Trp Phe Trp Leu Met
1 5 10

<210> 590
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 590
Arg Pro Lys Pro Phe Gln Trp Phe Trp Leu Leu
1 5 10

<210> 591
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 591
Arg Pro Lys Pro Gln Gln Phe Phe Pro Leu Met
1 5 10

<210> 592
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 592
Pro Gln Gln Phe Phe Gly Leu Met
1 5

<210> 593

<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 593
Gln Phe Phe Leu Met
1 5

<210> 594
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 594
Gln Phe Phe Leu Met
1 5

<210> 595
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 595
Gln Phe Phe Gly Leu Met
1 5

<210> 596
<211> 7
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Peptide

<400> 596
Gln Gln Phe Phe Gly Leu Met
1 5

<210> 597
<211> 6

<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 597

Gln Phe Phe Gly Leu Met
1 5

<210> 598

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 598

Arg Pro Lys Pro Gln Gln Phe Phe Leu Met
1 5 10

<210> 599

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 599

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu
1 5 10

<210> 600

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 600

Pro Gln Gln Phe Phe Gly Leu Met
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<210> 601

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 601

Glu Phe Phe Gly Leu Met
1 5

<210> 602

<211> 6

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 602

Glu Phe Phe Pro Leu Met
1 5

<210> 603

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 603

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu
1 5 10

<210> 604

<211> 5

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 604

Phe Phe Gly Leu Met
1 5

<210> 605

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 605

Arg Pro Lys Pro Gln Gln Phe Phe Pro Leu Met
1 5 10

<210> 606

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 606

Phe Phe Pro Leu Met
1 5

<210> 607

<211> 7

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Peptide

<400> 607

Gln Gln Phe Phe Gly Leu Met
1 5

<210> 608

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 608

Arg Pro Lys Pro Gln Gln Phe Phe Leu Met
1 5 10

<210> 609

<211> 6

<212> PRT

<213> Artificial Sequence

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Peptide

<400> 609
Glu Phe Phe Pro Leu Met
1 5

<210> 610
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<220>
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Peptide

<400> 610
Arg Pro Lys Pro Gln Gln Trp Phe Trp Leu Leu
1 5 10

<210> 611
<211> 9
<212> PRT
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<220>
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Peptide

<400> 611
Lys Pro Pro Phe Asn Trp Phe Trp Leu
1 5

<210> 612
<211> 11
<212> PRT
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<220>
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Peptide

<400> 612
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
1 5 10

<210> 613
<211> 11
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<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 613

Lys Pro Arg Pro Gln Gln Phe Ile Gly Leu Met
1 5 10

<210> 614

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 614

Lys Pro Arg Pro His Gln Phe Phe Gly Leu Met
1 5 10

<210> 615

<211> 3

<212> PRT

<213> Artificial Sequence

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Peptide

<400> 615

Gln Trp Phe
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<210> 616

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 616

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg
1 5 10

<210> 617

<211> 4

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 617
Arg Pro Lys Pro
1

<210> 618
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<220>
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Peptide

<400> 618
Arg Pro Lys Pro Gln Gln
1 5

<210> 619
<211> 7
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Peptide

<400> 619
Arg Pro Lys Pro Gln Gln Phe
1 5

<210> 620
<211> 9
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Peptide

<400> 620
Arg Pro Lys Pro Gln Gln Phe Phe Gly
1 5

<210> 621
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Peptide

<400> 621
Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
1 5 10

<210> 622
<211> 9
<212> PRT
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Peptide

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Lys Pro Gln Gln Phe Phe Gly Leu Met
1 5

<210> 623
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Peptide

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Phe Gly Leu Met
1

<210> 624
<211> 3
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<220>
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Peptide

<400> 624
Gly Leu Met
1

<210> 625
<211> 11
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<220>
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Peptide

<400> 625
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
1 5 10

<210> 626
<211> 11
<212> PRT
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<220>
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Peptide

<400> 626
Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
1 5 10

<210> 627
<211> 10
<212> PRT
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<220>
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Peptide

<400> 627
Arg Pro Lys Pro Gln Gln Phe Tyr Gly Leu
1 5 10

<210> 628
<211> 7
<212> PRT
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<220>
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Peptide

<400> 628
Asp Arg Val Tyr Ile His Ala
1 5

<210> 629
<211> 11
<212> PRT
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<220>
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Peptide

<400> 629

Ala Pro Gly Asp Arg Ile Tyr Val His Pro Phe
1 5 10

<210> 630
<211> 7
<212> PRT
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<220>
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Peptide

<400> 630
Gly Val Tyr Val His Pro Val
1 5

<210> 631
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<212> PRT
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<220>
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Peptide

<400> 631
Glu Asn Gly Leu Pro Val His Leu Asp Gln Ser Ile Phe Arg Arg
1 5 10 15

<210> 632
<211> 15
<212> PRT
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<220>
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Peptide

<400> 632
Glu Asn Gly Leu Pro Val His Leu Asp Gln Ser Ile Phe Arg Arg
1 5 10 15

<210> 633
<211> 10
<212> PRT
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Peptide

<400> 633
Gly Leu Pro Pro Arg Pro Lys Ile Pro Pro

1

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<210> 634

<211> 10

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 634

Gly Leu Pro Pro Gly Pro Pro Ile Pro Pro

1

5

10

<210> 635

<211> 8

<212> PRT

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 635

Arg Pro Gly Phe Ser Pro Phe Arg

1

5

<210> 636

<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 636

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1

5

<210> 637

<211> 10

<212> PRT

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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 637

Asp Arg Val Tyr Ile His Pro Phe His Leu

1

5

10

<210> 638
<211> 3
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 638
Gly Gly Gly
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<210> 639
<211> 7
<212> PRT
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<220>
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Peptide

<400> 639
Asp Arg Val Tyr Ile His Pro
1 5

<210> 640
<211> 7
<212> PRT
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<220>
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Peptide

<400> 640
Cys Tyr Trp Lys Val Cys Thr
1 5

<210> 641
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 641
Asp Arg Val Tyr Ile His Pro Phe
1 5

<210> 642
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 642
Glu Gly Val Tyr Val His Pro Val
1 5

<210> 643
<211> 4
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 643
Asp Arg Val Tyr
1

<210> 644
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 644
Val Tyr Ile His Pro Phe
1 5

<210> 645
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 645
Tyr Ile His Pro Phe
1 5

<210> 646
<211> 4
<212> PRT
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<220>
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Peptide

<400> 646
Ile His Pro Phe
1

<210> 647
<211> 7
<212> PRT
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<220>
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Peptide

<400> 647
Arg Val Tyr Ile His Pro Phe
1 5

<210> 648
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 648
Arg Val Tyr Ile His Pro Ile
1 5

<210> 649
<211> 8
<212> PRT
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<220>
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Peptide

<400> 649
Pro Thr His Ile Lys Trp Gly Asp
1 5

<210> 650

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 650
Glu Trp Pro Arg Pro Gln Ile Pro Pro
1 5

<210> 651
<211> 10
<212> PRT
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<220>
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Peptide

<400> 651
Asn Arg Val Tyr Val His Pro Phe His Leu
1 5 10

<210> 652
<211> 10
<212> PRT
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<220>
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Peptide

<400> 652
Asn Arg Val Tyr Val His Pro Phe Asn Leu
1 5 10

<210> 653
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 653
Asn Arg Val Tyr Val His Pro Phe Gly Leu
1 5 10

<210> 654
<211> 7

<212> PRT
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Peptide

<400> 654
Asn Arg Val Tyr Val His Pro
1 5

<210> 655
<211> 8
<212> PRT
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<220>
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Peptide

<400> 655
Asn Arg Val Tyr Val His Pro Phe
1 5

<210> 656
<211> 9
<212> PRT
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<220>
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Peptide

<400> 656
Arg Val Tyr Ile His Pro Phe His Leu
1 5

<210> 657
<211> 6
<212> PRT
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Peptide

<400> 657
Tyr Lys Arg His Pro Ile
1 5

<210> 658
<211> 8
<212> PRT

<213> Artificial Sequence

<220>

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<400> 658

Asp Arg Val Tyr Ile Phe Pro Phe
1 5

<210> 659

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 659

Asp Arg Val Tyr Ile His Pro Phe His Leu Val Ile His
1 5 10

<210> 660

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 660

Asp Arg Val Tyr Ile His Pro Phe His Leu Val Ile His Asn
1 5 10

<210> 661

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 661

Asp Arg Val Tyr Ile His Pro Phe His Leu Leu Val Tyr Ser
1 5 10

<210> 662

<211> 7

<212> PRT

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Peptide

<400> 662
Arg Val Tyr Ile His Pro Phe
1 5

<210> 663
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 663
Arg Val Tyr Ile His Pro
1 5

<210> 664
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 664
Arg Val Tyr Ile His Pro Ala
1 5

<210> 665
<211> 7
<212> PRT
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<220>
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Peptide

<400> 665
Arg Val Tyr Ile His Pro Ile
1 5

<210> 666
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 666
Arg Val Tyr Ile His Pro Thr
1 5

<210> 667
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 667
Arg Val Tyr Ile His Pro Phe
1 5

<210> 668
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 668
Arg Val Tyr Val His Pro Ala
1 5

<210> 669
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
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Peptide

<400> 669
Val Tyr Ile His Pro Ile
1 5

<210> 670
<211> 14
<212> PRT
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<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 670

Asp Arg Val Tyr Ile His Pro Phe His Leu Val Ile His Ser
1 5 10

<210> 671

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 671

Arg Val Tyr Val His Pro Phe
1 5

<210> 672

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 672

Asp Arg Val Tyr Val His Pro Phe
1 5

<210> 673

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 673

Asp Arg Val Tyr Val His Pro Phe
1 5

<210> 674

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 674

Asp Arg Val Tyr Val His Pro Phe His Leu
1 5 10

<210> 675

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 675

Asp Arg Val Tyr Val His Pro Phe Asn Leu
1 5 10

<210> 676

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 676

Asp Arg Val Tyr Val His Pro Phe Ser Leu
1 5 10

<210> 677

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 677

Asp Arg Val Tyr Val His Pro Phe His Leu
1 5 10

<210> 678

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 678

Asp Arg Val Tyr Ile His Pro Phe His Leu Val Ile His Asn
1 5 10

<210> 679

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 679

Asp Arg Val Tyr Ile His Pro Phe His Leu Leu Val Tyr Ser
1 5 10

<210> 680

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 680

Pro His Pro Phe His Phe Phe Val Tyr Lys
1 5 10

<210> 681

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 681

Asp Arg Val Tyr Ile His Pro Phe His Leu Leu Tyr Tyr Ser
1 5 10

<210> 682

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 682

Asp Arg Val Tyr Ile His Pro Cys His Leu Leu Tyr Tyr Ser
1 5 10

<210> 683

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 683

Asp Arg Val Tyr Ile His Pro Leu His Leu Leu Tyr Tyr Ser
1 5 10

<210> 684

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 684

Asp Arg Val Tyr Ile His Pro Val His Leu Leu Tyr Tyr Ser
1 5 10

<210> 685

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 685

Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu His Val Val Pro Tyr Gly
20 25 30

Leu Gly Ser Pro Arg Ser
35

<210> 686

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 686

Ile Asn Thr Pro Glu Gln Thr Val Pro Tyr Gly Leu Ser Asn Tyr Arg
1 5 10 15

Gly Ser Phe Arg
20

<210> 687

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 687

Val Asn Thr Pro Glu Arg Val Val Pro Tyr Gly Leu Gly Ser Pro Ser
1 5 10 15

Arg Ser

<210> 688

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 688

Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu His Val Val Pro Tyr Gly
20 25 30

Leu Gly Ser Pro Ser Arg Ser
35

<210> 689

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 689

Val Asn Thr Pro Glu His Val Val Pro Tyr Gly Leu Gly Ser Pro Ser
1 5 10 15

Arg Ser

<210> 690

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 690

Ile Ile Trp Val Asn Thr Pro Glu His Val Val Pro Tyr Gly Leu Gly
1 5 10 15

Ser Pro Arg Ser
20

<210> 691

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 691

Val Asn Thr Pro Glu His Val Val Pro Tyr Gly Leu Gly Ser Pro Arg
1 5 10 15

Ser

<210> 692

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 692

Cys Ser Cys Ser Ser Trp Leu Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu Gln Thr Ala Pro Tyr Gly
 20 25 30

Leu Gly Asn Pro Pro
 35

<210> 693
 <211> 16
 <212> PRT
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<220>
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 Peptide

<400> 693
 Val Asn Thr Pro Glu Gln Thr Ala Pro Tyr Gly Leu Gly Asn Pro Pro
 1 5 10 15

<210> 694
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
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 Peptide

<400> 694
 Cys Thr Cys Phe Thr Tyr Lys Asp Lys Glu Cys Val Tyr Tyr Cys His
 1 5 10 15

Leu Asp Ile Ile Trp Ile Asn Thr Pro Glu Gln Thr Val Pro Tyr Gly
 20 25 30

Leu Ser Asn Tyr Arg Gly Ser Phe Arg
 35 40

<210> 695
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 695
 Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
 1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu His Ile Val Pro Tyr Gly
 20 25 30

Leu Gly Ser Pro Ser Arg Ser
35

<210> 696
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 696
Val Asn Thr Pro Glu His Val Val Pro Tyr Gly Leu Gly Ser Pro Ser
1 5 10 15

Arg Ser

<210> 697
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 697
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu Arg Val Val Pro Tyr Gly
20 25 30

Leu Gly Ser Pro Ser Arg Ser
35

<210> 698
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 698
Cys Ser Cys Ser Ser Trp Leu Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp Val Asn Thr Pro Glu Gln Thr Ala Pro Tyr Gly
20 25 30

Leu Gly Asn Pro Pro Arg
35

<210> 699
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 699
Val Asn Thr Pro Glu Gln Thr Ala Pro Tyr Gly Leu Gly Asn Pro Pro
1 5 10 15

Arg

<210> 700
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 700
Cys Thr Cys Phe Thr Tyr Lys Asp Lys Glu Cys Val Tyr Tyr Cys His
1 5 10 15

Leu Asp Ile Ile Trp Ile Asn Thr Pro Glu Gln Thr Val Pro Tyr Gly
20 25 30

Leu Ser Asn His Arg Gly Ser Leu Arg
35 40

<210> 701
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 701
Cys Gln Cys Ala Ser Gln Lys Asp Lys Lys Trp Ser Tyr Cys Gln Ala
1 5 10 15

Gly Lys Glu Ile
20

<210> 702
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 702
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15
Leu Asp Ile Ile Trp
20

<210> 703
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 703
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys
1 5 10 15

<210> 704
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 704
Cys Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Cys
1 5 10 15

<210> 705
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 705
Trp Leu Asp Ile Ile Trp

1

5

<210> 706

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 706

Cys Ser Ala Ser Ser Leu Met Asp Lys Glu Ala Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 707

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 707

Ser Cys Ser Ser Leu Met Asp Lys Glu Cys Val Tyr Phe Asp His Leu
1 5 10 15

Asp Ile Ile Trp
20

<210> 708

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 708

Ala Ser Ala Ser Ser Leu Met Asp Lys Glu Ala Val Tyr Phe Ala His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 709

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 709

Leu	Met	Asp	Lys	Glu	Ala	Val	Tyr	Phe	Ala	His	Leu	Asp	Ile	Ile	Trp
1				5					10					15	

<210> 710

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 710

Cys	Ala	Cys	Phe	Thr	Tyr	Lys	Asp	Lys	Glu	Cys	Val	Tyr	Tyr	Cys	His
1				5					10					15	

Leu	Asp	Ile	Ile	Trp
			20	

<210> 711

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 711

Cys	Ser	Ala	Ser	Ser	Leu	Asp	Lys	Glu	Ala	Val	Tyr	Phe	Cys	His	Leu
1				5					10					15	

Ala	Ile	Ile	Trp
			20

<210> 712

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 712

Cys	Ser	Cys	Ser	Ser	Leu	Met	Asp	Lys	Glu	Cys	Val	Tyr	Phe	Cys	His
1				5					10					15	

Leu Asn Ile Ile Trp
20

<210> 713
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 713
Asn Trp His Gly Thr Ala Pro Asp Trp Phe Phe Asn Tyr Tyr Trp
1 5 10 15

<210> 714
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 714
Asp Glu Glu Ala Val Tyr Phe Ala His Leu Asp Ile Ile Trp
1 5 10

<210> 715
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 715
His Leu Asp Ile Ile Trp
1 5

<210> 716
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 716

His Leu Asp Ile Ile Trp Val Asn Thr Pro Glu His Val Val Pro Tyr
1 5 10 15

Gly Leu Gly Ser Pro Arg Ser
20

<210> 717

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 717

Cys Ser Cys Ser Ser Trp Leu Asp Lys Glu Cys Val Tyr Phe Cys His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 718

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 718

Cys Thr Cys Phe Thr Tyr Lys Asp Lys Glu Cys Val Tyr Tyr Cys His
1 5 10 15

Leu Asp Ile Ile Trp
20

<210> 719

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 719

Ser Leu Lys Asp Leu Phe Pro Ala Lys Ala Ala Asp Arg Arg Asp Arg
1 5 10 15

<210> 720

<211> 3

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 720
Leu Trp Trp
1

<210> 721
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 721
Met Leu Met Trp
1

<210> 722
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 722
Arg
1

<210> 723
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 723
Asp Pro Ile Leu Trp
1 5

<210> 724
<211> 5
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 724

Ser Pro Val Leu Trp
1 5

<210> 725

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 725

Leu Asp Ile Ile Trp
1 5

<210> 726

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 726

Leu Asp Ile Ile Trp
1 5

<210> 727

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 727

Cys Ser Cys Lys Asp Met Thr Asp Lys Glu Cys Leu Asn Phe Cys His
1 5 10 15

Gln Asp Val Ile Trp
20

<210> 728

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 728
Cys Ser Cys Lys Asp Met Thr Asp Lys Glu Cys Leu Tyr Phe Cys His
1 5 10 15
Gln Asp Val Ile Trp
20

<210> 729
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 729
Cys Thr Cys Asn Asp Met Thr Asp Glu Glu Cys Leu Asn Phe Cys His
1 5 10 15
Gln Asp Val Ile Trp
20

<210> 730
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 730
Gly Asn Trp His Gly Thr Ala Pro Asp Trp Phe Phe Asn Tyr Tyr Trp
1 5 10 15

<210> 731
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 731

His Leu Asp Ile Ile Trp
1 5

<210> 732
<211> 45
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 732
Thr Leu Asp Glu Glu Asp Leu Val Asp Ser Leu Ser Glu Gly Asp Ala
1 5 10 15

Tyr Thr Asn Gly Leu Gln Val Asn Phe His Ser Pro Arg Ser Gly Gln
20 25 30

Arg Cys Trp Ala Ala Arg Thr Gln Val Glu Lys Arg Leu
35 40 45

<210> 733
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 733
Cys Pro Pro Gly Ser Pro Met Asn Pro His His Lys Cys Glu Val Trp
1 5 10 15

<210> 734
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 734
Asp Pro Val Leu Trp
1 5

<210> 735
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 735
Glu Ala Ile Trp Leu
1 5

<210> 736
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 736
Ala Val Leu Trp
1

<210> 737
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 737
Leu Trp Trp
1

<210> 738
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 738
Leu Trp
1

<210> 739
<211> 3
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 739
Leu Trp Tyr
1

<210> 740
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 740
Leu Trp Ala Ala Tyr Phe
1 5

<210> 741
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 741
Gly Asn Trp His Gly Thr Ser Pro Asp Trp Phe Phe Asn Tyr Tyr Trp
1 5 10 15

<210> 742
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 742
Asp Lys Glu Ala Val Tyr Phe Ala His Leu Asp Ile Ile Trp
1 5 10

<210> 743
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 743

Cys Thr Cys Lys Asp Met Thr Asp Lys Glu Cys Leu Tyr Phe Cys His
1 5 10 15

Gln Asp Ile Ile Trp
20

<210> 744

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 744

Cys Thr Cys Lys Asp Met Thr Asp Glu Glu Cys Leu Asn Phe Cys His
1 5 10 15

Gln Asp Val Ile Trp
20

<210> 745

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 745

Tyr Pro Phe Val Glu Pro Ile
1 5

<210> 746

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 746

Tyr Pro Phe
1

<210> 747

<211> 3

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 747
Tyr Pro Phe
1

<210> 748
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 748
Tyr Pro Phe Pro Gly Pro Ile
1 5

<210> 749
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 749
Tyr Pro Phe Pro
1

<210> 750
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 750
Tyr Pro Phe Pro Gly
1 5

<210> 751
<211> 5
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 751

Tyr Pro Phe Pro Gly
1 5

<210> 752

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 752

Tyr Pro Phe Pro Gly
1 5

<210> 753

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 753

Tyr Pro Phe Val Glu Pro Ile
1 5

<210> 754

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 754

Tyr Phe
1

<210> 755

<211> 3

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 755
Tyr Phe Tyr
1

<210> 756
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 756
Tyr Phe Tyr
1

<210> 757
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 757
Tyr Phe Pro Tyr
1

<210> 758
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 758
Tyr Phe Pro
1

<210> 759
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 759
Tyr Phe Pro
1

<210> 760
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 760
Tyr Phe Pro
1

<210> 761
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 761
Tyr Phe Pro Gly
1

<210> 762
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 762
Tyr Phe Pro Gly
1

<210> 763
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 763
Tyr Phe Pro Gly
1

<210> 764
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 764
Tyr Phe Pro Gly Pro
1 5

<210> 765
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 765
Tyr Phe Pro
1

<210> 766
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 766
Pro Phe Pro Gly Pro Ile
1 5

<210> 767
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 767

Pro Phe Pro Gly Pro Ile

1

5

<210> 768

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 768

Tyr Pro Val Pro

1

<210> 769

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 769

Tyr Pro Phe Pro

1

<210> 770

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 770

Tyr Pro Phe Pro

1

<210> 771

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 771
Tyr Pro Pro
1

<210> 772
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 772
Tyr Ala Phe Gly Tyr Pro Ser
1 5

<210> 773
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 773
Tyr Arg Phe
1

<210> 774
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 774
Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln Lys Arg Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr
20 25 30

<210> 775
<211> 17
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 775

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 776

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 776

Tyr Gly Phe Leu Arg Ile Arg Pro Lys Leu Lys
1 5 10

<210> 777

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 777

Tyr Ala Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 778

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 778

Tyr Ala Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 779
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 779
Tyr Ala Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 780
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 780
Tyr Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys
1 5 10

<210> 781
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 781
Tyr Gly Phe Leu Arg Arg Ile Arg
1 5

<210> 782
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 782

Tyr Gly Gly Phe Leu Arg Ile Arg Pro Lys Leu Lys
1 5 10

<210> 783

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 783

Tyr Gly Gly Phe Leu Arg Arg Arg Pro Lys Leu Lys
1 5 10

<210> 784

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 784

Gly Gly Phe Leu Arg Arg Ile
1 5

<210> 785

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 785

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu
1 5 10

<210> 786

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 786

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys
1 5 10

<210> 787

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 787

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys
1 5 10

<210> 788

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 788

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro
1 5 10

<210> 789

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 789

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Arg Leu Arg Gly
1 5 10

<210> 790

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 790

Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
1 5 10 15

<210> 791

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 791

Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
1 5 10 15

<210> 792

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 792

Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu
1 5 10

<210> 793

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 793

Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
1 5 10 15

<210> 794

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 794

Gly Phe Leu Arg Arg Ile
1 5

<210> 795
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 795
Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys
1 5 10

<210> 796
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 796
Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
1 5 10 15

<210> 797
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 797
Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln
1 5 10

<210> 798
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 798
Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln

1

5

10

<210> 799

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 799

Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln

1

5

10

<210> 800

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 800

Tyr Pro Phe Pro Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn Gln

1

5

10

15

<210> 801

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 801

Arg Pro Lys Leu Lys Trp Asp Asn Gln

1

5

<210> 802

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 802

Lys Trp Asp Asn Gln

1

5

<210> 803
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 803
Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn
1 5 10 15

Gln

<210> 804
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 804
Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr
1 5 10

<210> 805
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 805
Tyr Gly Gly Phe Leu Arg Arg Gln Phe
1 5

<210> 806
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 806

Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr Arg Ser Gln
1 5 10 15

Glu Asp Pro Asn Ala Tyr Ser Gly Glu Leu Phe Asp Ala
20 25

<210> 807
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 807
Tyr Gly Gly Phe Leu Arg Lys Tyr Pro Lys
1 5 10

<210> 808
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 808
Tyr Gly Gly Phe Leu Arg Lys Tyr Pro
1 5

<210> 809
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 809
Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys
1 5 10

<210> 810
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 810
Tyr Gly Gly Phe Leu Arg Phe
1 5

<210> 811
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 811
Tyr Gly Gly Phe Leu Arg Phe
1 5

<210> 812
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 812
Tyr Gly Gly Phe Leu Arg Arg Gln Phe Lys Val Val Thr Arg Ser Gln
1 5 10 15

Glu Asp Pro Asn Ala Tyr Tyr Glu Glu Leu Phe Asp Val
20 25

<210> 813
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 813
Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His Lys Lys Gly Gln
20 25 30

<210> 814
<211> 27
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 814

Tyr	Gly	Gly	Phe	Met	Thr	Ser	Glu	Lys	Ser	Gln	Thr	Pro	Leu	Val	Thr
1				5					10					15	

Leu	Phe	Lys	Asn	Ala	Ile	Ile	Lys	Asn	Ala	His
			20					25		

<210> 815

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 815

Tyr	Gly	Gly	Phe	Met	Thr	Ser	Glu	Lys	Ser	Gln	Thr	Pro	Leu	Val	Thr
1				5					10					15	

Leu	Phe	Lys	Asn	Ala	Ile	Ile	Lys	Asn	Ala	Tyr	Lys	Lys	Gly	Glu
			20					25					30	

<210> 816

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 816

Tyr	Gly	Gly	Phe	Met	Thr	Ser	Glu	Lys	Ser	Gln	Thr	Pro	Leu	Val	Thr
1				5					10					15	

Leu	Phe	Lys	Asn	Ala	Ile	Ile	Lys	Asn	Ala
			20					25	

<210> 817

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 817

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr
20 25

<210> 818

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 818

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu

<210> 819

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 819

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

<210> 820

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 820

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

<210> 821

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 821

Tyr Gly Gly Phe Leu Arg Lys Tyr Arg Pro Lys
1 5 10

<210> 822

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 822

Tyr Gly Gly Phe Leu Arg Lys
1 5

<210> 823

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 823

Tyr Gly Gly Phe Leu Arg Lys Arg
1 5

<210> 824

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 824

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His Lys Lys Gly Gln
20 25 30

<210> 825

<211> 27

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 825

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His
20 25

<210> 826

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 826

Tyr Gly Gly Phe Met Ser Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His Lys Lys Gly Gln
20 25 30

<210> 827

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 827

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
20 25 30

<210> 828

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 828

Tyr Gly Gly Phe Met Thr Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala
1 5 10 15

Tyr Lys Lys Gly Glu
20

<210> 829

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 829

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala
20 25

<210> 830

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 830

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr
20 25

<210> 831

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 831

Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr Leu Phe Lys Asn Ala
1 5 10 15

Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu

<210> 832
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 832
 Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
 1 5 10

<210> 833
 <211> 31
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 833
 Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
 1 5 10 15

Leu Phe Lys Asn Ala Ile Val Lys Asn Ala His Lys Lys Gly Gln
 20 25 30

<210> 834
 <211> 31
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 834
 Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
 1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Val His Lys Lys Gly Gln
 20 25 30

<210> 835
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 835

Glu Leu Ala Gly Ala Pro Pro Glu Pro Ala
1 5 10

<210> 836

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 836

Tyr Gly Gly Phe
1

<210> 837

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 837

Tyr Gly Gly Phe Met Thr Ser Glu Lys
1 5

<210> 838

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 838

Lys Lys Gly Glu
1

<210> 839

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 839

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala Tyr Lys Lys Gly Glu
20 25 30

<210> 840

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 840

Tyr Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu

<210> 841

<211> 1

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 841

Tyr
1

<210> 842

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 842

Tyr Gly Phe Met Thr Ser Glu Lys
1 5

<210> 843

<211> 8

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 843
Tyr Gly Phe Met Thr Ser Glu Lys
1 5

<210> 844
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 844
Tyr Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr Leu
1 5 10 15

<210> 845
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 845
Gly Gly Phe Met Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr Leu
1 5 10 15

<210> 846
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 846
Tyr Gly Gly Phe Leu Thr Ser Glu Lys Ser Gln Thr Pro Leu Val Thr
1 5 10 15

Leu Phe Lys Asn Ala Ile Ile Lys Asn Ala His Lys Lys Gly Gln
20 25 30

<210> 847
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 847
Tyr Gly Gly Phe Met Lys
1 5

<210> 848
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 848
Tyr Gly Gly Phe Met Lys Lys
1 5

<210> 849
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 849
Tyr Gly Gly Phe Met Lys Arg
1 5

<210> 850
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 850
Tyr Gly Gly Phe Met Arg Arg Val
1 5

<210> 851

<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 851
Ala Ala Ala Tyr Gly Gly Phe Met
1 5

<210> 852
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 852
Tyr Gly Gly Phe Met Lys Lys Met Asp Glu Leu Tyr Pro Leu Glu Val
1 5 10 15

Glu Glu Glu Ala Asn Gly Gly Glu Val Leu
20 25

<210> 853
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 853
Tyr Gly Gly Phe Met Lys Lys Met Asp Glu Leu Tyr Pro Leu Glu Val
1 5 10 15

Glu Glu Glu Ala Asn Gly Gly Glu Val Leu
20 25

<210> 854
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 854

Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu
1 5 10

<210> 855
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 855
Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu
1 5 10

<210> 856
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 856
Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu Trp Trp Met Asp
1 5 10 15

Tyr Gln Lys Arg Tyr Gly
20

<210> 857
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 857
Phe Ala Arg
1

<210> 858
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 858
Tyr Ala Gly Phe Gly
1 5

<210> 859
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 859
Tyr Ala Gly Phe Leu
1 5

<210> 860
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 860
Tyr Ala Gly Phe Met
1 5

<210> 861
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 861
Tyr Gly Phe Leu
1

<210> 862
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 862
Tyr Gly Phe Leu Arg
1 5

<210> 863
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 863
Gly Phe
1

<210> 864
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 864
Gly Phe
1

<210> 865
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 865
Gly Gly Phe Leu
1

<210> 866
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 866

Tyr Gly Phe
1

<210> 867
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 867
Tyr Gly Phe
1

<210> 868
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 868
Phe Leu Arg
1

<210> 869
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 869
Tyr Gly Phe
1

<210> 870
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 870
Tyr Gly Gly Phe Leu

1

5

<210> 871

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 871

Tyr Gly Gly Phe Leu

1

5

<210> 872

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 872

Tyr Gly Gly Phe Leu

1

5

<210> 873

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 873

Tyr Ala Gly Phe Leu

1

5

<210> 874

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 874

Tyr Ser Gly Phe Leu Thr

1

5

<210> 875
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 875
Tyr Thr Gly Phe Leu Thr
1 5

<210> 876
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 876
Tyr Gly Gly Phe Leu Lys
1 5

<210> 877
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 877
Tyr Gly Gly Phe Met Arg
1 5

<210> 878
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 878
Tyr Gly Gly Phe Met Arg Arg
1 5

<210> 879
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 879
Tyr Gly Gly Phe Met Arg Arg Val Gly
1 5

<210> 880
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 880
Tyr Gly Gly Phe Met Arg Gly Leu
1 5

<210> 881
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 881
Tyr Gly Gly Phe Met Arg Phe
1 5

<210> 882
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 882
Tyr Gly Gly Phe Met
1 5

<210> 883
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 883
Tyr Gly Gly Phe Met
1 5

<210> 884
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 884
Tyr Ala Gly Phe Met
1 5

<210> 885
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 885
Tyr Ala Gly Phe Met
1 5

<210> 886
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 886
Tyr Gly Gly Phe Met Arg Phe
1 5

<210> 887

<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 887
Tyr Gly Gly Phe Met
1 5

<210> 888
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 888
Tyr Ala Gly Phe Met
1 5

<210> 889
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 889
Tyr Gly Phe Pro
1

<210> 890
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 890
Tyr Gly Phe Met
1

<210> 891
<211> 8

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 891

Tyr Gly Gly Phe Met Arg Arg Val
1 5

<210> 892

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 892

Phe Ala Glu Pro Leu Pro Ser Glu Glu Gly Glu Ser Tyr Ser Lys
1 5 10 15

Glu Val Pro Glu Met Glu Lys Arg Tyr Gly Gly Phe Met Arg Phe
20 25 30

<210> 893

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 893

Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu Trp Trp Met Asp
1 5 10 15

Tyr Gln Lys Arg Tyr Gly Gly Phe Leu
20 25

<210> 894

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 894

Tyr Gly Gly Phe Met Lys Lys Met Asp Glu Leu Tyr Pro Leu Glu Val

1	5	10	15
Glu	Glu	Glu	Ala
Asn	Gly	Gly	Glu
Val	Leu	Gly	Lys
Arg	Tyr	Gly	Gly
20	25	30	

Phe Met

<210> 895
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

Ser	Ser	Glu	Val	Ala	Gly	Glu	Gly	Asp	Gly	Asp	Ser	Met	Gly	His	Glu
1				5				10						15	

Asp Leu Tyr

<210> 896
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

Leu	Val	Val	Tyr	Pro	Trp
1			5		

<210> 897
 <211> 2
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
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Pro	Gly
1	

<210> 898
 <211> 4
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 898

Tyr Pro Phe Pro
1

<210> 899

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 899

Tyr Pro Phe Pro Pro
1 5

<210> 900

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 900

Tyr Pro Pro Pro
1

<210> 901

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 901

Arg Tyr Leu Gly Tyr Leu
1 5

<210> 902

<211> 8

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 902
Ala Ala Ala Tyr Gly Gly Phe Leu
1 5

<210> 903
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 903
Ala Ala Ala Tyr Gly Gly Phe Leu
1 5

<210> 904
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 904
Tyr Gly Gly Phe Met Arg Arg Val Gly Arg Pro Glu Trp Trp Met Asp
1 5 10 15

Tyr Gln

<210> 905
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 905
Tyr Pro Phe Pro Pro Leu
1 5

<210> 906
<211> 7

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 906
Tyr Val Pro Phe Pro Pro Phe
1 5

<210> 907
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 907
Trp Gly
1

<210> 908
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 908
Tyr Arg Phe Lys
1

<210> 909
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 909
Tyr Met Phe His Leu Met Asp
1 5

<210> 910
<211> 7
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 910

Tyr Ala Phe Asp Val Val Gly
1 5

<210> 911

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 911

Tyr Ala Phe Glu Val Val Gly
1 5

<210> 912

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 912

Tyr Pro Trp Phe
1

<210> 913

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 913

Tyr Pro Trp Phe Phe
1 5

<210> 914

<211> 2

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 914
Tyr Arg
1

<210> 915
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 915
Tyr
1

<210> 916
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 916
Leu Gly
1

<210> 917
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 917
Pro Gln Arg Phe
1

<210> 918
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 918

Ala Gly Glu Gly Leu Ser Ser Pro Phe Trp Ser Leu Ala Ala Pro Gln
1 5 10 15

Arg Phe

<210> 919

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic.
Peptide

<400> 919

Phe Gly Gly Phe Thr Gly Ala Arg Lys Ser Ala Arg Lys Leu Ala Asn
1 5 10 15

Gln

<210> 920

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 920

Tyr Phe Phe
1

<210> 921

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 921

Tyr Pro Leu Gly
1

<210> 922
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 922
Tyr Pro Trp Gly
1

<210> 923
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 923
Val Val Tyr Pro Trp Thr Gln
1 5

<210> 924
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 924
Leu Val Val Tyr Pro Trp Thr Gln Arg
1 5

<210> 925
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 925
Pro Leu
1

<210> 926

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 926
Phe Gly Gly Phe Thr Gly Ala Arg Lys Ser Ala Arg Lys Leu Ala Asn
1 5 10 15

Gln

<210> 927
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 927
Tyr Gly Gly Phe Met Arg Arg Val
1 5

<210> 928
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 928
Ala Lys Ser Gln Gly Gly Ser Asn
1 5

<210> 929
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 929
Leu Glu Asp Gly Pro Lys Phe Leu
1 5

<210> 930
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 930
Arg Lys Asp Val Tyr
1 5

<210> 931
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 931
Gly Glu Gln Arg Lys Asp Val Tyr Val Gln Leu Tyr Leu
1 5 10

<210> 932
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 932
Ser Asp Ala Ala Val Asp Thr Ser Ser Glu Ile Thr Thr Lys Asp Leu
1 5 10 15

Lys Glu Lys Lys Glu Val Val Glu Glu Ala Glu Asn
20 25

<210> 933
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 933
Tyr Gln Ala Lys Ser Gln Gly Gly Ser Asn

1

5

10

<210> 934

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 934

Ser Asp Ala Ala Val Asp Thr Ser Ser Glu Ile Thr Thr Lys Asp Leu
1 5 10 15

Lys Glu Lys Lys Glu Val Val Glu Glu Ala Glu Asn
20 25

<210> 935

<211> 52

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 935

Tyr Arg Gln Ser Met Asn Asn Phe Gln Gly Leu Arg Ser Phe Gly Cys
1 5 10 15

Arg Phe Gly Thr Cys Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln
20 25 30

Phe Thr Asp Lys Asp Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser
35 40 45

Pro Gln Gly Tyr
50

<210> 936

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 936

Tyr Arg Gln Ser Met Asn Asn Phe Gln Gly Leu Arg
1 5 10

<210> 937
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 937
Ser Phe Gly Cys Arg Phe Gly Thr Cys Thr Val Gln Lys Leu Ala His
1 5 10 15
Gln Ile Tyr Phe Thr Asp Lys Asp Asn Val Ala Pro Arg Ser Lys Ile
20 25 30
Ser Pro Gln Gly Tyr
35

<210> 938
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 938
Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln Phe Thr Asp Lys Asp
1 5 10 15
Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser Pro Gln Gly Tyr
20 25 30

<210> 939
<211> 48
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 939
Glu Leu Arg Met Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys
1 5 10 15
Ala Gly Pro Ala Gln Thr Leu Ile Arg Pro Gln Asp Met Lys Gly Ala
20 25 30
Ser Arg Ser Pro Glu Asp Ser Ser Pro Asp Ala Ala Arg Ile Arg Val
35 40 45

<210> 940
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 940
Ser Leu Pro Glu Ala Gly Pro Gly Arg Thr Leu Val Ser Ser Lys Pro
1 5 10 15
Gln Ala His Gly Ala Pro Ala Pro Pro Ser Gly Ser Ala Pro His Phe
20 25 30
Leu

<210> 941
<211> 52
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 941
Tyr Arg Gln Ser Met Asn Phe Gln Gly Leu Arg Ser Phe Gly Cys Arg
1 5 10 15
Phe Gly Thr Cys Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln Phe
20 25 30
Thr Asp Lys Asp Gly Val Ala Pro Arg Ser Lys Ile Ser Lys Ile Ser
35 40 45
Pro Gln Gly Tyr
50

<210> 942
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 942
Ala Arg Leu Asp Val Ala Ala Glu Phe Arg Lys Lys Trp Asn Lys Trp

1

5

10

15

Ala Leu Ser Arg
20

<210> 943

<211> 53

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 943

Tyr Arg Gln Ser Met Asn Gln Gly Ser Arg Ser Thr Gly Cys Arg Phe
1 5 10 15

Gly Thr Cys Thr Met Gln Lys Leu Ala His Gln Ile Tyr Gln Ile Tyr
20 25 30

Gln Phe Thr Asp Lys Asp Lys Asp Gly Met Ala Pro Arg Asn Lys Ile
35 40 45

Ser Pro Gln Gly Tyr
50

<210> 944

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 944

Ser Thr Gly Cys Arg Phe Gly Thr Cys Thr Met Gln Lys Leu Ala His
1 5 10 15

Gln Ile Tyr Gln Phe Thr Asp Lys Asp Lys Asp Gly Met Ala Pro Arg
20 25 30

Asn Lys Ile Ser Pro Gln Gly Tyr
35 40

<210> 945

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 945

Ala Arg Leu Asp Thr Ser Ser Gln Phe Arg Lys Lys Trp Asn Lys Trp
1 5 10 15

Ala Leu Ser Arg
20

<210> 946

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 946

Ala Pro Ser Gly Ala Gln Arg Leu Tyr Gly Phe Gly Leu
1 5 10

<210> 947

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 947

Gly Asp Gly Arg Leu Tyr Ala Phe Gly Leu
1 5 10

<210> 948

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 948

Gly Gly Ser Leu Tyr Ser Phe Gly Leu
1 5

<210> 949

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 949

Asp Arg Leu Tyr Ser Phe Gly Leu
1 5

<210> 950

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 950

Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn
1 5 10 15

Lys

<210> 951

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 951

Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10

<210> 952

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 952

Arg Glu Arg Met Ser
1 5

<210> 953

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 953

Ala Lys Glu Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val
1 5 10 15

Met

<210> 954

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 954

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
35 40

<210> 955

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 955

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 956

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 956

Asp	Ala	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr	Glu	Val	His	His	Gln	Lys
1				5				10						15	
Leu	Val	Phe	Phe	Ala	Glu	Asp	Val	Gly	Ser	Asn	Lys	Gly	Ala	Ile	Ile
			20					25					30		
Gly	Leu	Met	Val	Gly	Gly	Val	Val								
		35					40								

<210> 957

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 957

Tyr	Glu	Val	His	His	Gln	Lys	Leu	Val	Phe	Phe
1				5					10	

<210> 958

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 958

Glu	Asp	Val	Gly	Ser	Asn	Lys	Gly	Ala	Ile	Ile	Gly	Leu	Met
1				5					10				

<210> 959

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 959

Asp	Ala	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr	Glu	Val	His	His	Gln	Lys
1				5				10						15	

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 960

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 960

Val Val Gly Gly Val Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10 15

Val Asp Glu Ala Phe Phe Val Leu Lys Gln His His Val Glu Tyr Gly
20 25 30

Ser Asp His Arg Phe Glu Ala Asp
35 40

<210> 961

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 961

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 962

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 962

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 963
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 963
Tyr Glu Val His His Gln Lys Leu Val Phe Phe
1 5 10

<210> 964
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 964
Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10

<210> 965
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 965
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 966
<211> 40
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 966

Val Val Gly Gly Val Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10 15

Val Asp Glu Ala Phe Phe Val Leu Lys Gln His His Val Glu Tyr Gly
20 25 30

Ser Asp His Arg Phe Glu Ala Asp
35 40

<210> 967

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 967

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 968

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 968

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 969

<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 969
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu
1 5 10

<210> 970
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 970
Ile Ile Gly Leu Met
1 5

<210> 971
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 971
Ile Gly Leu Met
1

<210> 972
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 972
Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10

<210> 973
<211> 15
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 973

Asn Trp Cys Lys Arg Gly Arg Lys Gln Cys Lys Thr His Pro His
1 5 10 15

<210> 974

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 974

His His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu Arg
1 5 10 15

His Leu Ser Lys
20

<210> 975

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 975

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly
35

<210> 976

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 976

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Gln Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 977

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 977

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Gln Val His His Gln Lys
1 5 10 15

<210> 978

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 978

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 979

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 979

His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala
1 5 10 15

Gln Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
20 25 30

Gly Val Val
35

<210> 980
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 980
Glu Gln Val Thr Asn Val Gly Gly Ala Val Val Thr Gly Val Thr Ala
1 5 10 15
Val Ala Gln Lys Thr Val Glu Gly Ala Gly Ser Ile Ala Ala Ala Thr
20 25 30

Gly Phe Val
35

<210> 981
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 981
Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
1 5 10 15

Gly Leu Met Val Gly Gly Val Val
20

<210> 982
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 982
Gly Tyr Val Ile Ile Lys Pro Leu Val Trp Val
1 5 10

<210> 983

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 983
Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn
1 5 10 15

Lys

<210> 984
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 984
Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10

<210> 985
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 985
Arg Glu Arg Met Ser
1 5

<210> 986
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 986
Ala Lys Glu Arg Leu Glu Ala Lys His Arg Glu Arg Met Ser Gln Val
1 5 10 15

Met

<210> 987
<211> 43
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 987
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15
Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30
Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
35 40

<210> 988
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 988
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15
Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30
Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 989
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 989
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 990
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 990
Tyr Glu Val His His Gln Lys Leu Val Phe Phe
1 5 10

<210> 991
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 991
Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
1 5 10

<210> 992
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 992
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 993
<211> 40
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 993

Val Val Gly Gly Val Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10 15

Val Asp Glu Ala Phe Phe Val Leu Lys Gln His His Val Glu Tyr Gly
20 25 30

Ser Asp His Arg Phe Glu Ala Asp
35 40

<210> 994

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 994

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 995

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 995

Asp Ala Glu Phe Gly His Asp Ser Gly Phe Glu Val Arg His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 996

<211> 11

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 996

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu
1 5 10

<210> 997

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 997

Ile Ile Gly Leu Met
1 5

<210> 998

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 998

Ile Gly Leu Met
1

<210> 999

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 999

Met Leu Gly Ile Ile Ala Gly Lys Asn Ser Gly
1 5 10

<210> 1000

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1000

Asn Trp Cys Lys Arg Gly Arg Lys Gln Cys Lys Thr His Pro His
1 5 10 15

<210> 1001

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1001

His His Gly Val Val Glu Val Asp Ala Ala Val Thr Pro Glu Glu Arg
1 5 10 15

His Leu Ser Lys
20

<210> 1002

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1002

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly
35

<210> 1003

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1003

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Gln Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
20 25

<210> 1004

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1004

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Gln Val His His Gln Lys
1 5 10 15

<210> 1005

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1005

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 1006

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1006

His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala
1 5 10 15

Gln Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly
20 25 30

Gly Val Val
35

<210> 1007
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1007
Glu Gln Val Thr Asn Val Gly Gly Ala Val Val Thr Gly Val Thr Ala
1 5 10 15
Val Ala Gln Lys Thr Val Glu Gly Ala Gly Ser Ile Ala Ala Ala Thr
20 25 30

Gly Phe Val
35

<210> 1008
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1008
Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
1 5 10 15
Gly Leu Met Val Gly Gly Val Val
20

<210> 1009
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1009
Gly Tyr Val Ile Ile Lys Pro Leu Val Trp Val
1 5 10

<210> 1010

<211> 63
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1010
Arg Leu Glu Lys Arg Asp Val Lys Ala Val Cys Ser Gln Glu Ala Met
1 5 10 15
Thr Gly Pro Cys Arg Ala Val Met Pro Arg Trp Tyr Phe Asp Leu Ser
20 25 30
Lys Gly Lys Cys Val Arg Phe Ile Tyr Gly Gly Cys Gly Gly Asn Arg
35 40 45
Asn Asn Phe Glu Ser Glu Asp Tyr Cys Met Ala Val Cys Lys Ala
50 55 60

<210> 1011
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1011
Asn Ser Ser Cys Gly Glu Gly Asn His Leu Pro Thr Thr Pro Cys Tyr
1 5 10 15
Leu Gln Trp Gly Thr His Arg Glu Phe Leu Arg Arg Phe Ser Ile Trp
20 25 30
Asn His Gly His Leu His Met
35

<210> 1012
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1012
Ala Gly Arg Gly Lys Gln Gly Gly Lys Val Arg Ala Lys Ala Lys Thr
1 5 10 15
Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val His Arg
20 25 30

Leu Leu Arg Lys Gly Asn Tyr
35

<210> 1013
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1013
Thr Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val His
1 5 10 15

Arg Leu Leu Arg Lys
20

<210> 1014
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1014
Lys Trp Lys Leu Phe Lys Lys Ile Glu Lys Val Gly Gln Asn Ile Arg
1 5 10 15

Asp Gly Ile Ile Lys Ala Gly Pro Ala Val Ala Val Val Gly Gln Ala
20 25 30

Thr Gln Ile Ala Lys
35

<210> 1015
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1015
Ser Trp Leu Ser Lys Thr Ala Lys Lys Leu Glu Asn Ser Ala Lys Lys
1 5 10 15

Arg Ile Ser Glu Gly Ile Ala Ile Ala Ile Gln Gly Gly Pro Arg Cys
20 25 30

<210> 1016
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1016
Gly Ile Met Ser Ile Val Lys Asp Val Ala Lys Asn Ala Ala Lys Gly
1 5 10 15
Ala Leu Ser Thr Leu Ser Thr Leu Ser Cys Lys Leu Ala Lys Thr
20 25 30

<210> 1017
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1017
Phe Leu Gly Ala Leu Phe Lys Val Ala Ser Lys Val Leu Pro Ser Val
1 5 10 15
Lys Cys Ala Ile Thr Lys Lys Cys
20

<210> 1018
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1018
Ile Leu Pro Trp Lys Trp Pro Trp Trp Pro Trp Arg Arg
1 5 10

<210> 1019
<211> 18
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1019

Arg Gly Gly Arg Leu Cys Tyr Cys Arg Arg Arg Phe Cys Val Cys Val
1 5 10 15

Gly Arg

<210> 1020

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1020

Arg Arg Trp Cys Tyr Arg Lys Cys Tyr Lys Gly Tyr Cys Tyr Arg Lys
1 5 10 15

Cys Arg

<210> 1021

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1021

Arg Trp Lys Ile Phe Lys Lys Ile Glu Lys Val Gly Gln Asn Ile Arg
1 5 10 15

Asp Gly Ile Val Lys Ala Gly Pro Ala Val Ala Val Val Gly Gln Ala
20 25 30

Ala Thr Ile
35

<210> 1022

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1022

Arg Leu Cys Arg Ile Val Val Ile Arg Val Cys Arg
1 5 10

<210> 1023

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1023

Thr Arg Ser Ser Arg Ala Gly Leu Gln Phe Pro Val Gly Arg Val His
1 5 10 15

Arg Leu Leu Arg Lys
20

<210> 1024

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1024

Tyr Pro Pro Gly Pro Leu Ala Pro Pro Gln Pro Phe Gly Pro
1 5 10

<210> 1025

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1025

Val Asn Pro Gly Val Val Val Arg Ile Ser Gln Lys Gly Leu Asp Tyr
1 5 10 15

Ala Ser Gln Gln Gly Arg
20

<210> 1026

<211> 15

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1026
Ala Asp Val Leu Thr Thr Gly Ala Gly Asn Pro Val Gly Asp Lys
1 5 10 15

<210> 1027
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1027
Met Ala Ala Val Ser Met Ser Val Ala Leu Arg Gln Ala Leu Trp Gly
1 5 10 15

Arg Arg Val Ala Thr Val Ala Ala Val Ser Val Ser Lys Val Ser Thr
20 25 30

Arg Ser Leu Ser Thr Ser Thr Trp Arg Leu
35 40

<210> 1028
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1028
Gly Ile Gly Lys Phe Lys His Ser Ala Gly Lys Phe Gly Lys Ala Phe
1 5 10 15

Val Gly Glu Ile Met Lys Ser
20

<210> 1029
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1029

Leu Arg Asp Leu Val Ser Tyr Cys Arg Ala Arg Gly Lys Gly Arg Glu
1 5 10 15

Arg Met Asn Gly Thr Arg Lys Gly His Leu Leu Tyr Met
20 25

<210> 1030

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1030

Ser Gln Asn Tyr
1

<210> 1031

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1031

Arg Leu Cys Arg Ile Val Val Ile Arg Val Cys Arg
1 5 10

<210> 1032

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1032

Asn Gln Gly Arg His Phe Cys Gly Gly Ala Leu Ile His Ala Arg Phe
1 5 10 15

Val Met Thr Ala Ala Ser Cys Phe Gln
20 25

<210> 1033

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1033

Pro Phe

1

<210> 1034

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1034

Cys Asn Leu Ala Val Ala Ala Ala Ser His Ile Tyr Gln Asn Gln Phe
1 5 10 15

Val Gln

<210> 1035

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1035

Tyr Arg Val Arg Phe Leu Ala Lys Glu Asn Val Thr Gln Asp Ala Glu
1 5 10 15

Asp Asn Cys

<210> 1036

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1036

Lys Trp Lys Leu Phe Lys Lys Ile Gly Ala Val Leu Lys Val Leu
1 5 10 15

<210> 1037
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1037
Lys Trp Lys Val Phe Lys Lys Ile Glu Lys Met Gly Arg Asn Ile Arg
1 5 10 15
Asn Gly Ile Val Lys Ala Gly Pro Ala Ile Ala Val Leu Gly Glu Ala
20 25 30
Lys Ala Leu
35

<210> 1038
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1038
Thr Tyr Ile Cys Glu Val Glu Asp Gln Lys Glu Glu
1 5 10

<210> 1039
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1039
Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr Gly
1 5 10 15
Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys
20 25

<210> 1040
<211> 34
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1040

Ala Leu Trp Lys Thr Met Leu Lys Lys Leu Gly Thr Met Ala Leu His
1 5 10 15

Ala Gly Lys Ala Ala Leu Gly Ala Ala Ala Asp Thr Ile Ser Gln Gly
20 25 30

Thr Gln

<210> 1041

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1041

Gly Val Leu Ser Asn Val Ile Gly Tyr Leu Lys Lys Leu Gly Thr Gly
1 5 10 15

Ala Leu Asn Ala Val Leu Lys Gln
20

<210> 1042

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1042

Val Glu Pro Ile Pro Tyr
1 5

<210> 1043

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1043

Arg Arg Trp Gln Trp Arg Met Lys Lys Leu Gly
1 5 10

<210> 1044
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1044
Asp Ala Glu Ala Val Gly Pro Glu Ala Phe Ala Asp Gln Asp Leu Asp
1 5 10 15

Glu Arg Glu Val Arg
20

<210> 1045
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1045
Ser Ile Gly Ser Leu Ala Lys
1 5

<210> 1046
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1046
Gly Ile Gly Lys Phe Leu His Ser Ala Gly Lys Phe Gly Lys Ala Phe
1 5 10 15

Val Gly Glu Ile Met Lys Ser
20

<210> 1047
<211> 23
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1047

Gly	Ile	Gly	Lys	Phe	Leu	His	Ser	Ala	Lys	Lys	Phe	Gly	Lys	Ala	Phe
1				5					10					15	

Val	Gly	Glu	Ile	Met	Asn	Ser
			20			

<210> 1048

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1048

Tyr	Leu	Val	Leu	Phe	Phe	Tyr	Pro	Leu	Asp	Phe	Thr	Phe	Val	Cys	Pro
1				5					10					15	

Thr	Glu	Ile	Ile	Cys	Pro	Thr	Glu	Ile	Ile	Gly
			20					25		

<210> 1049

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1049

Leu	Val	Gln	Ala	Phe	Gln	Gly	Lys	Val	Asn	Val	Phe	Leu	Gln	Phe
1				5					10					15

<210> 1050

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1050

Gly	Leu	Phe	Ile	Ile	Asp	Tyr	Thr	Asp	Glu	Met	Gly	Glu	Val	Pro	Ala
1				5					10					15	

Gly Gly Lys

<210> 1051
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1051
Asp Glu Val Asp
1

<210> 1052
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1052
Asp Glu Val Asp
1

<210> 1053
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1053
Val Ala Asp
1

<210> 1054
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1054
Val Ala Asp
1

<210> 1055
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1055
Asp Pro Met Ser Ser Thr Tyr Ile Glu Glu Leu Gly Lys Arg Glu Val
1 5 10 15
Thr Ile Pro Pro Lys Tyr Arg Glu Leu Leu Ala
20 25

<210> 1056
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1056
Val Ala Asp Met
1

<210> 1057
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1057
Asp Glu Val Asp
1

<210> 1058
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1058

Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
1 5 10 15

Tyr Val Ala Asp
20

<210> 1059
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1059
Tyr Val Ala Asp Ala Pro Lys
1 5

<210> 1060
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1060
Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
1 5 10 15

Asp Glu Val Asp
20

<210> 1061
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1061
Tyr Val Ala Asp
1

<210> 1062
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1062
Tyr Val Ala Asp
1

<210> 1063
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1063
Tyr Val Ala Asp
1

<210> 1064
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1064
Val Phe
1

<210> 1065
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1065
Leu Leu Leu
1

<210> 1066
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1066
Tyr Val Ala Asp
1

<210> 1067
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1067
Val Glu Ile Asp
1

<210> 1068
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1068
Asp
1

<210> 1069
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1069
Asp Glu Val Asp Ala Pro Lys
1 5

<210> 1070
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1070

Asp Met Phe Ser Asp Gly Asn Phe Asn Trp Val Arg Val Val Ala Leu
1 5 10 15

Phe Tyr Phe Ala Ser
20

<210> 1071

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1071

Ala Asn Arg Leu Phe Gly Glu Lys
1 5

<210> 1072

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1072

Gly Gly Gly Gly Asp Ile His Gln Gly Phe Gln Ser Leu Leu Thr Glu
1 5 10 15

Val Asn Lys

<210> 1073

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1073

Gly Asn Thr Ala Ala Gln Met Ala Gln Ile Leu Ser Phe Asn
1 5 10

<210> 1074

<211> 25

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1074
Gln Gly Leu Trp Leu Met Asn Val Leu Arg Val Gly Trp His His His
1 5 10 15
Leu Gln Pro Arg Thr Val Pro Glu Asn
20 25

<210> 1075
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1075
Thr Gly His Gly Gly Pro Gln Phe Val Ala Asp His Pro Phe Leu Phe
1 5 10 15
Leu Ile Met His Lys Ile Thr Asn Cys Ile Leu Phe Phe Gly Arg Phe
20 25 30
Ser Ser Pro
35

<210> 1076
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1076
Ala Pro Arg Leu Arg Phe Tyr Ser Leu
1 5

<210> 1077
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1077

Ala Pro Arg Leu Arg Phe Tyr Ser
1 5

<210> 1078

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1078

Ala Pro Arg Leu Arg Phe Tyr
1 5

<210> 1079

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1079

Arg Leu Arg Phe His
1 5

<210> 1080

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1080

Arg Leu Arg Phe Asp
1 5

<210> 1081

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1081

Leu Lys Lys Tyr Lys Val Pro Gln Leu Glu Ile Val Pro Asn Ser Ala
1 5 10 15

Glu Glu Arg Leu His Ser Met
20

<210> 1082

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1082

Gln Lys Leu Gly Asn Gln Trp Ala Val Gly His Leu Met
1 5 10

<210> 1083

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1083

Trp Ala Val Gly His Leu Met
1 5

<210> 1084

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1084

Glu Gln Arg Leu Gly Asn Gln Trp Ala Val Gly His Leu Met
1 5 10

<210> 1085

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1085

Glu Gln Arg Leu Gly Asn Gln Trp Ala Val Gly His Leu Leu
1 5 10

<210> 1086

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1086

Phe Gln Trp Ala Val Gly His Leu
1 5

<210> 1087

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1087

Gln Arg Leu Gly Asn Gln Trp Ala Val Gly Phe Leu Met
1 5 10

<210> 1088

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1088

Gln Arg Leu Gly Asn Gln Trp Ala Val Gly Phe Leu Leu
1 5 10

<210> 1089

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1089

Gln Arg Tyr Gly Asn Gln Trp Ala Val Gly His Leu Met
1 5 10

<210> 1090

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1090

Gln Arg Tyr Gly Asn Gln Trp Ala Val Gly Phe Leu Met
1 5 10

<210> 1091

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1091

Met Pro Leu Pro Pro His Pro Gly His Pro Gly Tyr Ile Asn Phe Ser
1 5 10 15

Tyr Glu Val Leu Thr
20

<210> 1092

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1092

Pro Phe Tyr Gly Pro Val
1 5

<210> 1093

<211> 47

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1093

Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
1 5 10 15

Glu Pro Arg Arg Val Cys Leu Asn Pro Asp Cys Asp Glu Leu Ala Asp
20 25 30

His Ile Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro Val
35 40 45

<210> 1094

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1094

Leu Val Val Tyr Pro Trp
1 5

<210> 1095

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1095

Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
1 5 10 15

Pro Arg Arg Val Cys Leu Asn Pro Asp Cys Asp Glu Leu Ala Asp His
20 25 30

Ile Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro Val
35 40 45

<210> 1096

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1096
Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro Val
1 5 10

<210> 1097
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1097
Pro Tyr Gln Glu Ala Phe Arg Arg Phe Phe Gly Pro Val
1 5 10

<210> 1098
<211> 48
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1098
Val Pro Ile Tyr Glu Lys Lys Tyr Gly Gln Val Pro Met Cys Asp Ala
1 5 10 15
Gly Glu Gln Cys Ala Val Arg Lys Gly Ala Arg Ile Gly Lys Leu Cys
20 25 30
Asp Cys Pro Arg Gly Thr Ser Cys Asn Ser Phe Leu Leu Lys Cys Leu
35 40 45

<210> 1099
<211> 48
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1099
Val Pro Ile Tyr Glu Lys Lys Tyr Gly Gln Val Pro Met Cys Asp Ala
1 5 10 15
Gly Glu Gln Cys Ala Val Arg Lys Gly Ala Arg Ile Gly Lys Leu Cys
20 25 30

Asp Cys Pro Arg Gly Thr Ser Cys Asn Ser Phe Leu Leu Lys Cys Leu
 35 40 45

<210> 1100
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1100
 Val Pro Ile Tyr Glu Lys Lys Tyr Gly Gln Val Pro Met Cys Asp Ala
 1 5 10 15

Gly Glu Gln Cys Ala Val Arg Lys Gly Ala Arg Ile Gly Lys Leu Cys
 20 25 30

Asp Cys Pro Arg Gly Thr Ser Cys Asn Ser Phe Leu Leu Lys Cys Leu
 35 40 45

<210> 1101
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1101
 Ala Gly Ala Thr Val Gln Val Thr Leu Asp Gly Val Pro Ala Ala Ala
 1 5 10 15

Pro Gly Gln Pro Ala Gln Leu Gln Leu Asn Ala Thr
 20 25

<210> 1102
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1102
Phe Leu Phe Leu Phe
1 5

<210> 1103
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1103
Ala Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr
1 5 10 15
Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys
20 25 30

<210> 1104
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1104
Met Leu Phe
1

<210> 1105
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1105
Met Leu Phe Lys
1

<210> 1106
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1106

Met Leu Phe Lys

1

<210> 1107

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1107

Trp His Val Ala Ala Asn

1

5

<210> 1108

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1108

Met Leu Thr Glu Leu Glu Lys Ala Leu Asn Ser Ile Ile Asp Val Tyr

1

5

10

15

His Lys Tyr Ser Leu Ile Lys Gly Asn

20

25

<210> 1109

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1109

His Trp Asp Thr Thr Gln Ser Leu Lys Gln Leu Glu Glu Arg Ala Ala

1

5

10

15

Trp Asn Val

<210> 1110

<211> 20

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1110

Gly Pro Val Ser Ala Val Leu Thr Glu Leu Arg Cys Thr Cys Leu Arg
1 5 10 15

Val Thr Leu Arg
20

<210> 1111

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1111

Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser Arg His Pro Ala Glu
1 5 10 15

Asn Gly Lys Ser Asn
20

<210> 1112

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1112

Arg Glu Gly Ser Tyr Phe Phe Gly Asp Asn Ala
1 5 10

<210> 1113

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1113

Tyr Ser Asp Asp Glu Gly Ala Ser Trp Ser Asp Leu Asp Ile Val Ser

1

5

10

15

Phe Ser Lys

<210> 1114

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1114

Val	Ala	Arg	Thr	Leu	Leu	Val	Phe	Glu	Val	Gln	Gln	Pro	Phe	Leu	Phe
1				5				10						15	

Val Leu

<210> 1115

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1115

Asp	Phe	Arg	Phe	Leu	Arg	Cys	Ser	Thr	Arg	Gln	Cys	Trp	Asn
1				5				10					

<210> 1116

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1116

Cys	Asn	Thr	Gly	Gln	Leu	Cys	Pro	Val	Glu
1				5				10	

<210> 1117

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1117

Ser Val Asp Arg Ser Gly Asn Val His His Gln Phe Gln Lys Leu Thr
1 5 10 15

Leu Glu

<210> 1118

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1118

Leu His Glu Trp Thr Lys Pro Glu Asn Leu Asp Phe Ile Glu Val Asn
1 5 10 15

Val Leu Pro

<210> 1119

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1119

Val Leu Glu Leu Pro Tyr Gln Gly Glu Glu Leu Ser Met Val Ile Leu
1 5 10 15

Leu Pro Asp Asp Ile Glu Asp Glu Ser Thr Gly Leu Lys
20 25

<210> 1120

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1120

Thr Tyr Gly Ala Asp Leu Ala Ser Val Asp Phe Gln His Ala Ser Glu
1 5 10 15

Asp Ala Arg

<210> 1121
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1121
Glu Arg Pro Pro Leu Gln Gln Pro Pro His Arg Asp
1 5 10

<210> 1122
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1122
Tyr Glu Arg Pro Pro Leu Gln Gln Pro Pro His Arg Asp Lys Lys Pro
1 5 10 15

Cys Lys Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
20 25

<210> 1123
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1123
Ser Ala Leu Pro Leu Glu Ser Gly Pro Thr Gly Gln Asp Ser Val Gln
1 5 10 15

Asp Ala Thr Gly
20

<210> 1124
<211> 31
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1124

Thr Gly Leu Leu Thr Phe Leu Ala Trp Trp His Glu Trp Ala Ser Gln
1 5 10 15

Asp Ser Ser Ser Thr Ala Phe Glu Gly Gly Thr Pro Glu Leu Ser
20 25 30

<210> 1125

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1125

Arg Gly Asp Cys
1

<210> 1126

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1126

Arg Gly Asp Ser
1

<210> 1127

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1127

Arg Gly Asp Val
1

<210> 1128

<211> 4

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1128
Arg Gly Glu Ser
1

<210> 1129
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1129
Gly Arg Gly Asp Ser Pro Ala
1 5

<210> 1130
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1130
Arg Gly Asp Phe Val
1 5

<210> 1131
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1131
Pro Leu Tyr Lys Lys Ile Ile Lys Lys Leu Leu Ser
1 5 10

<210> 1132
<211> 49
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1132

Glu Cys Glu Ser Gly Pro Cys Cys Arg Asn Cys Lys Phe Leu Lys Glu
1 5 10 15

Gly Thr Ile Cys Lys Arg Ala Arg Gly Asp Asp Met Asp Asp Tyr Cys
20 25 30

Asn Gly Lys Thr Cys Asp Cys Pro Arg Asn Pro His Lys Gly Pro Ala
35 40 45

Thr

<210> 1133

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1133

Gly Arg Ala Asp Ser Pro Lys
1 5

<210> 1134

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1134

Phe Asn Lys His Thr Glu Ile Ile Glu Glu Asp Thr Asn Lys Asp Lys
1 5 10 15

Pro Ser Tyr Gln Phe Gly Gly His Asn Ser Val Asp Phe Glu Glu Asp
20 25 30

Thr Leu Pro Lys Val
35

<210> 1135

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1135

Ala	Asp	Ser	Gly	Glu	Gly	Asp	Phe	Leu	Ala	Glu	Gly	Gly	Gly	Val	Arg
1				5				10						15	

<210> 1136

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1136

Tyr	Ala	Asp	Ser	Gly	Glu	Gly	Asp	Phe	Leu	Ala	Glu	Gly	Gly	Gly	Val
1				5				10						15	

Arg

<210> 1137

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1137

Gly	Val	Asn	Asp	Asn	Glu	Glu	Gly	Phe	Phe	Ser	Ala	Arg
1				5				10				

<210> 1138

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1138

Glu	Gly	Val	Asn	Asp	Asn	Glu	Glu	Gly	Phe	Phe	Ser	Ala	Arg
1				5				10					

<210> 1139

<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1139
Gly Val Asn Asp Asn Glu Glu Gly Phe Phe Ser Ala Arg Tyr
1 5 10

<210> 1140
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1140
Tyr Glu Lys Pro Gly Ser Pro Pro Arg Glu Val Val Pro Arg Pro Arg
1 5 10 15

Gly Val

<210> 1141
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1141
Trp Gln Pro Pro Arg Ala Arg Ile
1 5

<210> 1142
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1142
Glu Ile Leu Asp Val
1 5

<210> 1143
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1143
Glu Ile Leu Asp Val Pro Ser Thr
1 5

<210> 1144
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1144
Gly Arg Ala Asp Ser Pro
1 5

<210> 1145
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1145
Gly Arg Gly Asp Ser
1 5

<210> 1146
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1146
Gly Arg Gly Asp Ser Pro
1 5

<210> 1147
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1147
Gly Arg Gly Asp Ser Pro Cys
1 5

<210> 1148
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1148
Gly Arg Gly Asp Thr Pro
1 5

<210> 1149
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1149
Gly Arg Gly Glu Ser
1 5

<210> 1150
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1150
Gly Arg Gly Glu Ser Pro
1 5

<210> 1151

<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1151
Gly Gly Asp Ser Pro
1 5

<210> 1152
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1152
Gly Gln Gln His His Leu Gly Gly Ala Lys Gln Ala Gly Asp Val
1 5 10 15

<210> 1153
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1153
Gly Pro Arg
1

<210> 1154
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1154
Gly Arg Gly Asp Ser Pro Ala Ser Ser Lys
1 5 10

<210> 1155
<211> 9

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1155

Gly Gly Arg Gly Asp Ser Pro Cys Ala
1 5

<210> 1156

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1156

Gly Arg Gly Asp Ser Pro
1 5

<210> 1157

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1157

Gly Arg Gly Asp Asn Pro
1 5

<210> 1158

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1158

Trp Gln Pro Pro Arg Ala Arg Ile
1 5

<210> 1159

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1159

Tyr Ile Gly Ser Arg
1 5

<210> 1160

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1160

Leu Asp Val
1

<210> 1161

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1161

Leu Asp Val Pro Ser
1 5

<210> 1162

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1162

Lys Gly Asp Ser
1

<210> 1163

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1163

Gly Ala Val Ser Thr Ala

1

5

<210> 1164

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1164

Trp Thr Val Pro Thr Ala

1

5

<210> 1165

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1165

Arg Gly Asp Ser Pro

1

5

<210> 1166

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1166

Thr Asp Val Asn Gly Asp Gly Arg His Asp Leu

1

5

10

<210> 1167

<211> 4

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1167
Arg Glu Asp Val
1

<210> 1168
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1168
Arg Gly Asp Ser Pro Ala Ser Ser Lys Pro
1 5 10

<210> 1169
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1169
Arg Gly Asp Thr
1

<210> 1170
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1170
Arg Asp Ser
1

<210> 1171
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1171
Ser Asp Gly Arg Gly
1 5

<210> 1172
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1172
Ser Asp Gly Arg
1

<210> 1173
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1173
Tyr Arg Gly Asp Ser
1 5

<210> 1174
<211> 42
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1174
Tyr Ala Lys Leu Leu Gly His Gln Asn Leu Lys Gln Lys Ile Lys His
1 5 10 15
Val Val Lys Leu Lys Asp Glu Asn Ser Gln Leu Lys Ser Glu Val Ser
20 25 30
Lys Leu Arg Cys Gln Leu Ala Lys Lys Lys
35 40

<210> 1175

<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1175
Phe Met Arg Phe
1

<210> 1176
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1176
Phe Met Arg Phe
1

<210> 1177
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1177
Phe Met Arg Phe
1

<210> 1178
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1178
Phe Met Arg Phe
1

<210> 1179
<211> 5

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1179

Leu Pro Leu Arg Phe
1 5

<210> 1180

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1180

Tyr Leu Pro Leu Arg Phe
1 5

<210> 1181

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1181

Trp Arg Phe
1

<210> 1182

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1182

Tyr Phe Met Arg Phe
1 5

<210> 1183

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1183

Tyr Met Arg Phe

1

<210> 1184

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1184

Ser Asp Arg Asn Phe Leu Arg Phe

1

5

<210> 1185

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1185

Ser Asp Arg Asn Phe Leu Arg Phe

1

5

<210> 1186

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1186

Asp Pro Phe Leu Arg Phe

1

5

<210> 1187

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1187

Glu Ile Leu Glu Val Pro Ser Thr

1

5

<210> 1188

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1188

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val

1

5

10

15

Gly Asn His Arg Ser Phe Ser Asp Lys Asn Gly Leu Thr Ser

20

25

30

<210> 1189

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1189

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val

1

5

10

15

Gly Asn His

<210> 1190

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1190

Met Ala Arg Gly Ser Ala Leu Leu Leu Ala Ser Leu Leu Leu Ala Ala

1

5

10

15

Ala Leu Ser Ala Ser Ala Gly Leu Trp Ser Pro Ala Lys Glu
20 25 30

<210> 1191
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1191
Glu Leu Arg Pro Glu Asp Asp Met Lys Pro Gly Ser Phe Asp Arg Ser
1 5 10 15

Ile Pro Glu Asn Asn Ile Met Arg
20

<210> 1192
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1192
Thr Ile Ile Glu Phe Leu Ser Phe Leu His Leu Lys Glu Ala Gly Ala
1 5 10 15

Leu Asp Arg Leu Leu Asp Leu Pro Ala Ala Ala Ser Ser Glu Asp Ile
20 25 30

Glu Arg Ser
35

<210> 1193
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1193
Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
1 5 10 15

Asp Asn His Arg Ser Phe His Asp Lys Tyr Gly Leu Ala
20 25

<210> 1194
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1194
Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
1 5 10 15

<210> 1195
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1195
Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
1 5 10 15

Asp Asn His Arg Ser Phe Ser Asp Lys His Gly Leu Thr
20 25

<210> 1196
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1196
Thr Lys Glu Lys Arg Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu
1 5 10 15

Gly Pro His Ala Ile Asp Asn His Arg Ser Phe Ser Asp Lys His Gly
20 25 30

Leu Thr Gly Lys Arg Glu Leu Pro
35 40

<210> 1197
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1197

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Pro Pro Gly
1 5 10 15

Phe Ser Pro Phe Arg
20

<210> 1198

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1198

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Pro Pro Ala
1 5 10 15

Leu Ala Leu Ala
20

<210> 1199

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1199

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Arg Pro Lys
1 5 10 15

Pro Gln Gln Trp Phe Trp Leu Leu
20

<210> 1200

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1200

Glu Leu Glu Pro Glu Asp Glu Ala Arg Pro Gly Gly Phe Asp Arg Leu

1 5 10 15
 Gln Ser Glu Asp Lys Ala Ile Arg Thr Ile Met Glu Phe Leu Ala Phe
 20 25 30

Leu His Leu Lys Glu Ala Gly Ala Leu
 35 40

<210> 1201
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1201
 Leu Gln Ser Glu Asp Lys Ala Ile Arg Thr Ile Met Glu Phe Leu Ala
 1 5 10 15

Phe Leu His Leu Lys Glu Ala Gly Ala Leu
 20 25

<210> 1202
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1202
 Thr Ile Met Glu Phe Leu Ala Phe Leu His Leu Lys Glu Ala Gly Ala
 1 5 10 15

Leu

<210> 1203
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1203
 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Gln Gln Phe
 1 5 10 15

Phe Gly Leu Met

<210> 1204
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1204
 Gly Trp Thr Leu Asn Thr Ala Trp Trp Leu Leu Gly Pro His Ala
 1 5 10 15

<210> 1205
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1205
 Gly Trp Thr Leu Asn Thr Ala Trp Trp Leu Leu Gly Pro His Ala
 1 5 10 15

<210> 1206
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1206
 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Pro Pro Ala
 1 5 10 15

Leu Ala Leu Ala
 20

<210> 1207
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1207

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Arg Pro Lys
1 5 10 15

Pro Gln Gln Trp Phe Trp Leu Leu
20

<210> 1208

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1208

Asp Glu Pro Asn Ser Asp Gln Phe Ile Gly Leu Met
1 5 10

<210> 1209

<211> 120

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1209

Lys Lys Lys Asp Lys Val Lys Lys Gly Gly Pro Gly Ser Glu Cys Ala
1 5 10 15

Glu Trp Ala Trp Gly Pro Cys Thr Pro Ser Ser Lys Asp Cys Gly Val
20 25 30

Gly Phe Arg Glu Gly Thr Cys Gly Ala Gln Thr Gln Arg Ile Arg Cys
35 40 45

Arg Val Pro Cys Asn Trp Lys Lys Glu Phe Gly Ala Asp Cys Lys Lys
50 55 60

Phe Glu Asn Trp Gly Ala Cys Asp Gly Gly Thr Gly Thr Lys Val Arg
65 70 75 80

Gln Gly Thr Leu Lys Lys Ala Arg Tyr Asn Ala Gln Cys Gln Glu Thr
85 90 95

Ile Arg Val Thr Lys Pro Cys Thr Pro Lys Thr Lys Ala Lys Ala Lys
100 105 110

Ala Lys Lys Gly Lys Gly Lys Asp
115 120

<210> 1210
<211> 61
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1210
Ala Asp Cys Lys Lys Phe Glu Asn Trp Gly Ala Cys Asp Gly Gly Thr
1 5 10 15
Gly Thr Lys Val Arg Gln Gly Thr Leu Lys Lys Ala Arg Tyr Asn Ala
20 25 30
Gln Cys Gln Glu Thr Ile Arg Val Thr Lys Pro Cys Thr Pro Lys Thr
35 40 45
Lys Ala Lys Ala Lys Ala Lys Lys Gly Lys Gly Lys Asp
50 55 60

<210> 1211
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1211
Cys His Ser Gly Tyr Val Gly Val Arg Cys
1 5 10

<210> 1212
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1212
Ala Asn Phe Leu Val Trp Glu Ile Val Arg Lys Lys Pro
1 5 10

<210> 1213
<211> 50
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1213

Val Val Ser His Phe Asn Asp Cys Pro Asp Ser His Thr Gln Phe Cys
1 5 10 15

Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Asp Lys Pro Ala Cys
20 25 30

Val Cys His Ser Gly Tyr Val Gly Ala Arg Cys Glu His Ala Asp Leu
35 40 45

Leu Ala
50

<210> 1214

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1214

Val Val Ser His Phe Asn Lys Cys Pro Asp Ser His Thr Gln Tyr Cys
1 5 10 15

Phe His Gly Thr Cys Arg Phe Leu Val Gln Glu Glu Lys Pro Ala Cys
20 25 30

Val Cys His Ser Gly Tyr Val Gly Val Arg Cys Glu His Ala Asp Leu
35 40 45

Leu Ala
50

<210> 1215

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1215

Cys His Ser Gly Tyr Val Gly Val Arg Cys
1 5 10

<210> 1216

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1216

Cys His Ser Gly Tyr Val Gly Val Arg Cys
1 5 10

<210> 1217

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1217

Pro Pro Gly His Phe Lys
1 5

<210> 1218

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1218

Arg Thr Gly Gln Tyr Lys
1 5

<210> 1219

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1219

Phe Asn Leu Pro Leu Gly Asn Tyr Lys Lys Pro
1 5 10

<210> 1220

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1220

Pro Ala Leu Pro Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His
1 5 10 15

Phe Lys Asp Pro Lys Arg Leu Tyr
20

<210> 1221

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1221

His Ala Glu Lys His Trp Phe Val Gly Leu
1 5 10

<210> 1222

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1222

Cys Met His Ile Glu Ser Leu Asp Ser Tyr Thr Cys
1 5 10

<210> 1223

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1223

Asp Val Val Asp Ala Asp Glu Tyr Leu Ile Pro Gln
1 5 10

<210> 1224

<211> 12

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1224
Cys Tyr Ala Ala Pro Leu Lys Pro Ala Lys Ser Cys
1 5 10

<210> 1225
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1225
Tyr Phe Asn Lys Pro Thr Gly Tyr Gly Ser Ser Ser Arg Arg Ala Pro
1 5 10 15

Gln Thr

<210> 1226
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1226
Ala Leu Leu Glu Thr Tyr Cys Ala Thr Pro Ala Lys Ser Glu
1 5 10

<210> 1227
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1227
Gly Tyr Gly Ser Ser Ser Arg Arg Ala Pro Gln Thr
1 5 10

<210> 1228
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1228
Ser Arg Val Ser Arg Arg Ser Arg
1 5

<210> 1229
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1229
Tyr Ser Arg Val Ser Arg Arg Ser Arg
1 5

<210> 1230
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1230
Gly His Lys
1

<210> 1231
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1231
Ser Val Arg Val Glu Gln Val Val Lys Pro Pro Gln Asp Lys Thr Glu
1 5 10 15

Ser Glu Asn Thr Ser Asp
20

<210> 1232
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1232
Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
1 5 10 15
Glu Trp Gln Trp Ser Val Cys Val
20

<210> 1233
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1233
Ser Phe Leu Pro Ser Ser
1 5

<210> 1234
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1234
Ser Ala Gln Thr Asn Arg His Ile Leu Arg Phe Asn Arg Pro Phe
1 5 10 15

<210> 1235
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1235

Ile Pro Val Lys Gln Ala Val His Gly Gln Phe Leu Leu Pro Lys Gln
1 5 10 15

Glu Lys

<210> 1236
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1236
Leu Ala Gly Glu Thr Gly Gln Glu Ala Ala Pro Leu Asp Gly Val Leu
1 5 10 15

Ala Asn

<210> 1237
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1237
Ala Leu Lys Arg Gln Gly Arg Thr Leu Tyr Gly Phe Gly Gly
1 5 10

<210> 1238
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1238
Gly Met Asp Val Leu Gly Arg Pro Lys Ile Pro Leu Glu Thr Pro Ala
1 5 10 15

Tyr Thr Gly Gln Pro Trp His Cys Gln His Cys Phe Leu Leu
20 25 30

<210> 1239
<211> 43

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1239

Met Asn Thr Ile Thr Ile Cys Lys Phe Asp Val Leu Asp Ala Glu Leu
1 5 10 15

Leu Ser Thr Val Glu Gly Gly Tyr Ser Gly Lys Asp Cys Leu Lys Asp
20 25 30

Met Gly Gly Tyr Ala Leu Ala Gly Ala Gly Ser
35 40

<210> 1240

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1240

Gly Ala Asp Lys Thr Val Lys Gly Pro Asp Gly Leu Thr Ala Leu Glu
1 5 10 15

Ala Thr Asp Asn Gln Ala Ile Asp Tyr Gly Gly Phe Met Glu Val Val
20 25 30

Tyr Val Asp Ala Thr Lys
35

<210> 1241

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1241

Cys Lys Gln Leu Gln Arg Asp Arg Gln Val Tyr Arg Ala Thr His Arg
1 5 10 15

<210> 1242

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1242

Cys Glu Gly Asn Val Arg Val Ser Arg Glu Leu Ala Gly His Thr Gly
1 5 10 15

Tyr

<210> 1243

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1243

Cys Gly Ala Gly Glu Ser Gly Lys Ser Thr Ile Val Lys Gln Met Lys
1 5 10 15

<210> 1244

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1244

Cys Asn Leu Lys Glu Asp Gly Ile Ser Ala Ala Lys Asp Val Lys
1 5 10 15

<210> 1245

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1245

Cys Lys Gln Leu Gln Lys Asp Lys Gln Val Tyr Arg Ala Thr His Arg
1 5 10 15

<210> 1246

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1246

Glu Glu Gln Gly Met Leu Pro Glu Asp Leu Ser
1 5 10

<210> 1247

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1247

Pro Gly Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
1 5 10 15

<210> 1248

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1248

Pro Asn Thr Cys Glu Ile Cys Ala Tyr Ala Ala Cys Thr Gly Cys
1 5 10 15

<210> 1249

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1249

Asn Asp Asp Cys Glu Leu Cys Val Asn Val Ala Cys Thr Gly Cys Leu
1 5 10 15

<210> 1250

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1250

Ser	Thr	Pro	Leu	Met	Ser	Trp	Pro	Trp	Ser	Pro	Ser	Ala	Leu	Arg	Leu
1				5				10					15		
Leu	Gln	Arg	Pro	Pro	Glu	Glu	Pro	Ala	Ala	His	Ala	Asn	Cys	His	Arg
			20					25					30		

<210> 1251

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1251

Tyr	Ser	Thr	Pro	Leu	Met	Ser	Trp	Pro	Trp	Ser	Pro	Ser	Ala	Leu	Arg
1				5				10					15		
Leu	Leu	Gln	Arg	Pro	Pro	Glu	Glu	Pro	Ala	Ala	His	Ala	Asn	Cys	His
			20					25					30		

Arg

<210> 1252

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1252

His	Asn	Lys	Gln	Glu	Gly	Arg	Asp	His	Asp	Lys	Ser	Lys	Gly	His	Phe
1				5				10					15		
His	Arg	Val	Val	Ile	His	His	Lys	Gly	Gly	Lys	Ala	His	Arg	Gly	
			20					25					30		

<210> 1253

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1253

Tyr His Asn Lys Gln Glu Gly Arg Asp His Asp Lys Ser Lys Gly His
1 5 10 15

Phe His Arg Val Val Ile His His Lys Gly Gly Lys Ala His Arg Gly
20 25 30

<210> 1254

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1254

Ser Thr Ala Pro Leu Pro Trp Pro Trp Ser Pro Ala Ala Leu Arg Leu
1 5 10 15

Leu Gln Arg Pro Pro Glu Glu Pro Ala Val His Ala Asp Cys His Arg
20 25 30

<210> 1255

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1255

Tyr Ser Thr Ala Pro Leu Pro Trp Pro Trp Ser Pro Ala Ala Leu Arg
1 5 10 15

Leu Leu Gln Arg Pro Pro Glu Glu Pro Ala Val His Ala Asp Cys His
20 25 30

Arg

<210> 1256

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1256
Val Gln Gly Glu Thr Ser Asn Asp Lys Ile Pro Val Ala Leu Gly Leu
1 5 10 15

Lys

<210> 1257
<211> 72
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1257
Ala Pro Val Ala Asn Glu Leu Arg Cys Gln Cys Leu Gln Thr Val Ala
1 5 10 15

Gly Ile His Phe Lys Asn Ile Gln Ser Leu Lys Val Met Pro Pro Gly
20 25 30

Pro His Cys Thr Gln Thr Glu Val Ile Ala Thr Leu Lys Asn Gly Arg
35 40 45

Glu Ala Cys Leu Asp Pro Glu Ala Pro Met Val Gln Lys Ile Val Gln
50 55 60

Lys Met Leu Lys Gly Val Pro Lys
65 70

<210> 1258
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1258
Val Gln Gly Glu Glu Ser Asn Asp Lys
1 5

<210> 1259

<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1259
Ile Leu Asn Gly Ile Asn Asn Tyr Lys Asn Pro Lys Leu
1 5 10

<210> 1260
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1260
Phe Val Gln Gly Glu Ala Ile Pro Met Ser Ile Pro Pro Glu Asp Lys
1 5 10 15

Ile Pro Val Ala Leu Gly
20

<210> 1261
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1261
Ala Pro Val Pro Pro Gly Glu Asp Ser Lys Asp Val Ala
1 5 10

<210> 1262
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1262
Met Val Lys Gln Ile Glu Ser Lys Thr Ala Phe Gln Glu Ala Leu Asp
1 5 10 15

Ala Ala Gly Asp Lys
20

<210> 1263
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1263
Ala Tyr Val His Asp Ala Pro Val Arg Ser
1 5 10

<210> 1264
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1264
Pro Arg Lys Leu Tyr Asp Lys
1 5

<210> 1265
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1265
Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Lys
1 5 10

<210> 1266
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1266
Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Ala Tyr Thr Thr Asn

1

5

10

15

Pro Arg Lys Leu Tyr Asp Tyr Lys
20

<210> 1267

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1267

Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Lys
1 5 10

<210> 1268

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1268

Pro Arg Lys Leu Tyr Asp Tyr Lys
1 5

<210> 1269

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1269

Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Lys
1 5 10

<210> 1270

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1270

Tyr Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr
1 5 10

<210> 1271

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1271

Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Ala Tyr Thr Thr Asn
1 5 10 15

Pro Arg Lys Leu Tyr Asp Tyr Lys
20

<210> 1272

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1272

Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Ala Tyr Thr Thr Asn
1 5 10 15

Pro Arg Lys Leu Tyr Asp Tyr
20

<210> 1273

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1273

Arg Lys Leu Tyr Asp Tyr Lys
1 5

<210> 1274

<211> 6

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1274
Arg Lys Leu Tyr Asp Tyr
1 5

<210> 1275
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1275
Pro Arg Lys Leu Tyr Asp Lys
1 5

<210> 1276
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1276
Pro Arg Lys Leu Tyr Asp
1 5

<210> 1277
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1277
Pro Arg Lys Leu Tyr Asp Tyr Lys
1 5

<210> 1278
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1278

Asp Gly Glu Ala

1

<210> 1279

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1279

Leu Gly Thr Ile Pro Gly

1

5

<210> 1280

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1280

Asn Ile Ser Ser Glu Glu Lys Ala Ser Trp Thr Arg Pro Glu Lys Gln

1

5

10

15

Glu Thr Leu Asp Gly His Met

20

<210> 1281

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1281

Phe Asn Leu Asp Val Arg Phe Leu Val Val Lys Glu Ala Val Asn Pro

1

5

10

15

Gly

<210> 1282
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1282
Ala Pro Arg Gln Arg Gln Thr Leu Val Leu Phe Pro Gly Asp Leu Arg
1 5 10 15

Thr

<210> 1283
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1283
Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp
1 5 10 15

Val Val Ile Arg Ala Lys Ala Val
20

<210> 1284
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1284
Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp
1 5 10 15

Val Val Ile Arg Ala Lys Ala Val
20

<210> 1285
<211> 13
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1285

Asn Val Ile Gln Ile Ser Asn Asp Leu Glu Asn Leu Arg
1 5 10

<210> 1286

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1286

Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys Thr Leu Ile Lys Thr
1 5 10 15

Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr Gln Ser Val Ser Ser
20 25 30

Lys Gln Lys
35

<210> 1287

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1287

Tyr Lys Val Gln Asp Asp Thr Lys Thr Leu Ile Lys Thr Ile Val
1 5 10 15

<210> 1288

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1288

Ser Cys Ser Leu Pro Gln Thr Ser Gly Leu Gln Lys Pro Glu Ser
1 5 10 15

<210> 1289

<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1289
Glu Asp Val Asp His Val Phe Leu Arg Phe
1 5 10

<210> 1290
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1290
Thr Ser Phe Thr Pro Arg Leu
1 5

<210> 1291
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1291
Asp Pro Ala Phe Asn Ser Trp Gly
1 5

<210> 1292
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1292
Asp Pro Gly Phe Ser Ser Trp Gly
1 5

<210> 1293
<211> 8

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1293

Asp Gln Gly Phe Asn Ser Trp Gly
1 5

<210> 1294

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1294

Asp Ala Ser Phe His Ser Trp Gly
1 5

<210> 1295

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1295

Gly Ser Gly Phe Ser Ser Trp Gly
1 5

<210> 1296

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1296

Asp Pro Ala Phe Ser Ser Trp Gly
1 5

<210> 1297

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1297

Gly Ala Ser Phe Tyr Ser Trp Gly
1 5

<210> 1298

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1298

Ile Ile Gly Gly Arg Glu Ser Arg Pro His
1 5 10

<210> 1299

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1299

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys
20 25 30

Gln Arg Val Lys Asn Lys
35

<210> 1300

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1300

His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Arg Gln
1 5 10 15

Leu Ala Val Arg Arg Tyr Leu Ala Ala Val Leu Gly Lys Arg
20 25 30

<210> 1301
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1301
Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Met Ala Val Lys Lys Tyr
1 5 10 15

Leu Ala Ala Val Leu
20

<210> 1302
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1302
His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys
20 25 30

Gln Arg Ile Lys Asn Lys
35

<210> 1303
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1303
His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15

Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu
20 25

<210> 1304
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1304
Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln Met Ala Val Lys Lys
1 5 10 15
Tyr Leu Ala Ala Val Leu
20

<210> 1305
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1305
His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
1 5 10 15
Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys
20 25 30
Gln Arg Val Lys Asn Lys
35

<210> 1306
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1306
Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln Met Ala Val Lys Lys
1 5 10 15
Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys Gln Arg Val Lys Asn
20 25 30
Lys

<210> 1307
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1307
Gln Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr
1 5 10 15
Lys Gln Arg Val Lys Asn Lys
20

<210> 1308
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1308
Gly Lys Arg Tyr Lys Gln Arg Val Lys Asn Lys
1 5 10

<210> 1309
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1309
Tyr Lys Gln Arg Val Lys Asn Lys
1 5

<210> 1310
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1310

Asp Val Ala His Gly Ile Leu Asn Glu Ala Tyr Arg Lys Val Leu Asp
1 5 10 15

Gln Leu Ser Ala Gly Lys His Leu Gln Ser Leu Val Ala
20 25

<210> 1311
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1311
Asp Val Ala His Glu Ile Leu Asn Glu Ala Tyr Arg Lys Val Leu Asp
1 5 10 15

Gln Leu Ser Ala Arg Lys Tyr Leu Gln Ser Met Val Ala
20 25

<210> 1312
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1312
Ser Asp Glu Asp Ser Asp Gly Asp Arg Pro Gln Ala Ser Pro Gly Leu
1 5 10 15

Gly Pro Gly Pro
20

<210> 1313
<211> 52
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1313
Gly Glu Ser Arg Ser Glu Ala Leu Ala Val Asp Gly Ala Gly Lys Pro
1 5 10 15

Gly Ala Glu Glu Ala Gln Asp Pro Glu Gly Lys Gly Glu Gln Glu His
20 25 30

Ser Gln Gln Lys Glu Glu Glu Glu Glu Met Ala Val Val Pro Gln Gly
35 40 45

Leu Phe Arg Gly
50

<210> 1314
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1314
Pro Glu Gly Lys Gly Glu Gln Glu His Ser Gln Gln Lys Glu Glu Glu
1 5 10 15

Glu Glu Met Ala Val Val Pro Gln Gly Leu Phe Arg Gly
20 25

<210> 1315
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1315
Glu Glu Glu Glu Glu Met Ala Val Val Pro Gln Gly Leu Phe Arg Gly
1 5 10 15

<210> 1316
<211> 49
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1316
Gly Trp Pro Gln Ala Pro Ala Met Asp Gly Ala Gly Lys Thr Gly Ala
1 5 10 15

Glu Glu Ala Gln Pro Pro Glu Gly Lys Gly Ala Arg Glu His Ser Arg
20 25 30

Gln Glu Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe Arg
35 40 45

Gly

<210> 1317
<211> 48
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1317
Gly Trp Pro Gln Ala Pro Ala Asp Gly Ala Gly Lys Thr Gly Ala Glu
1 5 10 15
Glu Ala Gln Pro Pro Glu Gly Lys Gly Ala Arg Glu His Ser Arg Gln
20 25 30
Glu Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe Arg Gly
35 40 45

<210> 1318
<211> 49
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1318
Tyr Gly Trp Pro Gln Ala Pro Ala Asp Gly Ala Gly Lys Thr Gly Ala
1 5 10 15
Glu Glu Ala Gln Pro Pro Glu Gly Lys Gly Ala Arg Glu His Ser Arg
20 25 30
Gln Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe Arg
35 40 45

Gly

<210> 1319
<211> 50
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1319

Tyr Gly Trp Pro Gln Ala Pro Ala Met Asp Gly Ala Gly Lys Thr Gly
1 5 10 15

Ala Glu Glu Ala Gln Pro Pro Glu Gly Lys Gly Ala Arg Glu His Ser
20 25 30

Arg Gln Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe
35 40 45

Arg Gly
50

<210> 1320

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1320

Leu Ser Phe Arg Ala Pro Ala Tyr Gly Phe Arg Gly Pro Gly Leu Gln
1 5 10 15

Leu Arg Arg

<210> 1321

<211> 51

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1321

Asp Asp Gly Gln Ser Glu Ser Gln Ala Val Asn Gly Lys Thr Gly Ala
1 5 10 15

Ser Glu Ala Val Pro Ser Glu Gly Lys Gly Glu Leu Glu His Ser Gln
20 25 30

Gln Glu Glu Asp Gly Glu Glu Ala Met Ala Gly Pro Pro Gln Gly Leu
35 40 45

Phe Pro Gly
50

<210> 1322

<211> 52
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1322

Tyr Asp Asp Gly Gln Ser Glu Ser Gln Ala Val Asn Gly Lys Thr Gly
1 5 10 15

Ala Ser Glu Ala Val Pro Ser Glu Gly Lys Gly Glu Leu Glu His Ser
20 25 30

Gln Gln Glu Glu Asp Gly Glu Glu Ala Met Ala Gly Pro Pro Gln Gly
35 40 45

Leu Phe Pro Gly
50

<210> 1323

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1323

Gly Glu Leu Glu His Ser Gln Gln Glu Glu Asp Gly Glu Glu Ala Met
1 5 10 15

Ala Gly Pro Pro Gln Gly Leu Phe Pro Gly
20 25

<210> 1324

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1324

Gln Glu Glu Glu Glu Glu Thr Ala Gly Ala Pro Gln Gly Leu Phe Arg
1 5 10 15

Gly

<210> 1325

<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1325
Pro Gly
1

<210> 1326
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1326
Lys
1

<210> 1327
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1327
Gly Phe Ala Asp
1

<210> 1328
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1328
Asp Tyr Val Pro Met Leu
1 5

<210> 1329
<211> 6

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1329

Asp Tyr Val Pro Met Leu
1 5

<210> 1330

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1330

Gln Lys Arg Pro Ser Gln Arg Ser Lys Tyr Leu
1 5 10

<210> 1331

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1331

Pro Leu Ser Arg Thr Leu Ser Val Ala Ala Lys Lys
1 5 10

<210> 1332

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1332

Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr
1 5 10

<210> 1333

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1333

Arg Gly Tyr Ser Leu Gly
1 5

<210> 1334

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1334

Lys Lys Ala Leu Arg Arg Gln Glu Ala Val Asp Ala Leu
1 5 10

<210> 1335

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1335

Ile Thr Ser Phe Glu Glu Ala Lys Gly Leu Asp Arg Ile Asn Glu Arg
1 5 10 15

Met Pro Pro Arg Arg Asp Ala Met Pro
20 25

<210> 1336

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1336

Leu Lys Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile Leu Thr
1 5 10 15

Thr Met Leu Ala
20

<210> 1337
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1337
Pro Leu Ser Arg Thr Leu Ser Val Ser Ser
1 5 10

<210> 1338
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1338
Pro Leu Arg Arg Thr Leu Ser Val Ala Ala
1 5 10

<210> 1339
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1339
Leu Gln Asn Arg Arg Gly Leu Asp Leu Leu Phe Leu Lys Glu Gly Gly
1 5 10 15

Leu

<210> 1340
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1340

Cys Leu Arg Arg Ala Ser Leu Gly
1 5

<210> 1341
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1341
Phe Lys Lys Ser Phe Lys Leu
1 5

<210> 1342
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1342
Lys Lys Ala Leu His Arg Gln Glu Thr Val Asp Ala Leu
1 5 10

<210> 1343
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1343
Lys Arg Thr Leu Arg Arg
1 5

<210> 1344
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1344
Arg Thr Lys Arg Ser Gly Ser Val Tyr Glu Pro Leu Lys Ile

1

5

10

<210> 1345

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1345

Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu
1 5 10 15Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln
20 25

<210> 1346

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1346

Arg Arg Lys Ala Ser Gly Pro Pro Val
1 5

<210> 1347

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1347

Arg Phe Ala Arg Lys Gly Ala Leu Arg Gln Lys Asn Val His Glu Val
1 5 10 15

Lys

<210> 1348

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1348

Arg	Phe	Ala	Arg	Lys	Gly	Ala	Leu	Glu	Gln	Lys	Asn	Val	His	Glu	Val
1				5				10						15	

Lys Asn

<210> 1349

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1349

Ser	Phe	Val	Asn	Ser	Glu	Phe	Leu	Lys	Pro	Glu	Val	Lys	Ser
1				5				10					

<210> 1350

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1350

Ser	Tyr	Thr	Asn	Pro	Glu	Phe	Val	Ile	Asn	Val
1				5				10		

<210> 1351

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1351

Ala	Gly	Asn	Lys	Val	Ile	Ser	Pro	Ser	Glu	Asp	Arg	Arg	Gln	Cys
1				5					10				15	

<210> 1352

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1352

Gly Pro Lys Thr Pro Glu Glu Lys Thr Ala Asn Thr Ile Ser Lys Phe
1 5 10 15

Asp Cys

<210> 1353

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1353

Leu Leu Tyr Glu Met Leu Ala Gly Gln Ala Pro Phe Glu Gly Glu Asp
1 5 10 15

Glu Asp Glu Leu Phe Gln Ser Ile Met Glu His Asn Val
20 25

<210> 1354

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1354

Asn Tyr Pro Leu Glu Leu Tyr Glu Arg Val Arg Thr Gly Cys
1 5 10

<210> 1355

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1355

Val Arg Lys Arg Thr Leu Arg Arg Leu
1 5

<210> 1356
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1356
Cys Asp Asn Gln Ile Lys Lys Met
1 5

<210> 1357
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1357
Ile Tyr Gly Glu Phe
1 5

<210> 1358
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1358
Ile Tyr Gly Glu Phe
1 5

<210> 1359
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1359
Thr Tyr Ala Asp Phe Ile Ala Ser Gly Arg Thr Gly Arg Arg Asn Ala
1 5 10 15

Ile

<210> 1360
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1360
Gln Lys Arg Pro Ser Gln Arg Ser Lys Tyr Leu
1 5 10

<210> 1361
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1361
Arg Arg Glu Glu Thr Glu Glu Glu
1 5

<210> 1362
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1362
Arg Arg Lys Ala Ser Gly Pro
1 5

<210> 1363
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1363
Arg Arg Leu Ile Glu Asp Asn Glu Tyr Thr Ala Arg Gly
1 5 10

<210> 1364
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1364
Pro Leu Ala Arg Thr Leu Ser Val Ala Gly Leu Pro Gly Lys Lys
1 5 10 15

<210> 1365
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1365
Lys Glu Ala Lys Glu Lys Arg Gln Glu Gln Ile Ala Lys Arg Arg Arg
1 5 10 15
Leu Ser Ser Leu Arg Ala Ser Thr Ser Lys Ser Gly Gly Ser Gln Lys
20 25 30

<210> 1366
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1366
Tyr Ser Phe Val His His Gly Phe Phe Asn Phe Arg Val Ser Trp Arg
1 5 10 15
Glu Met Leu Ala
20

<210> 1367
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1367

Val Ala Pro Ser Asp Ser Ile Gln Ala Glu Glu Trp Tyr Phe Gly Lys
1 5 10 15

Ile Thr Arg Arg Glu
20

<210> 1368

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1368

His Arg His Phe Leu Arg
1 5

<210> 1369

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1369

Arg Cys Leu Gly Thr Val Gln Gly Gln Phe Pro Leu Cys Tyr His Phe
1 5 10 15

Leu Ser Ala Pro Gly Arg Phe Gln Glu
20 25

<210> 1370

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1370

Met Tyr Ser Asn Val Ile Gly Thr Val Thr Ser Gly Lys Arg
1 5 10

<210> 1371
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1371
Phe Tyr Lys Ala Asp Gly Val Val Phe Ser Ile Tyr Asp Val Pro Gly
1 5 10 15
Arg Gln Val Pro Leu Ser Ala Arg Gly
20 25

<210> 1372
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1372
Trp Ser Pro Gln Glu Glu Asp Arg Ile Ile Glu Gly Gly Ile Tyr Asp
1 5 10 15
Ala Asp Leu Asn
20

<210> 1373
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1373
Val Ser Ser Ala Glu Gly Trp His Gly Asn Val Thr Leu Asn Ile Arg
1 5 10 15
Pro Ser Thr Gly
20

<210> 1374
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1374
Cys Ser Pro Cys His Ala Met Lys Met Asn Ile
1 5 10

<210> 1375
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1375
Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr Pro
1 5 10 15

Leu Leu Pro Arg Gly Gly Gly Leu Ala Ala Leu
20 25

<210> 1376
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1376
Met Ala Pro Glu Glu Ile Ile Met Asp Arg Pro Phe Leu Phe Val Val
1 5 10 15

Arg His Asn Pro Thr Gly Thr Val Leu Phe Met Gly Gln Val Met Glu
20 25 30

Pro

<210> 1377
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1377
Cys Glu Asn Gly Gly Phe Cys Ser Gly Val Cys His Asn Leu Pro Gly

1 5 10 15
 Thr Phe Glu Cys Ile Cys Gly Pro Asp Ser Ala Leu Val Arg His Ile
 20 25 30

Gly Thr Asp Cys
 35

<210> 1378
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1378
 His Pro Pro Cys Cys Leu Tyr Gly Lys Cys Arg Arg Tyr Pro Gly Cys
 1 5 10 15

Ser Ser Ala Ser Cys Cys Gln Leu
 20

<210> 1379
 <211> 48
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1379
 Glu Asp Asn Cys Ile Ala Glu Asp Tyr Gly Lys Cys Thr Trp Gly Gly
 1 5 10 15

Thr Lys Cys Cys Arg Gly Arg Pro Cys Arg Cys Ser Met Ile Gly Thr
 20 25 30

Asn Cys Glu Cys Thr Pro Arg Leu Ile Met Glu Gly Leu Ser Phe Ala
 35 40 45

<210> 1380
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1380

Gly Gly Cys Leu Pro His Asn Arg Phe Cys Asn Ala Leu Ser Gly Pro
1 5 10 15

Arg Cys Cys Ser Gly Leu Lys Cys Lys Glu Leu Ser Ile Trp Asp Ser
20 25 30

Arg Cys Leu
35

<210> 1381

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1381

Cys Asn Cys Lys Ala Pro Glu Thr Ala Leu Cys Ala Arg Arg Cys Gln
1 5 10 15

Gln His

<210> 1382

<211> 60

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1382

Trp Gln Pro Pro Trp Tyr Cys Lys Glu Pro Val Arg Ile Gly Ser Cys
1 5 10 15

Lys Lys Gln Phe Ser Ser Phe Tyr Phe Lys Trp Thr Ala Lys Lys Cys
20 25 30

Leu Pro Phe Leu Phe Ser Gly Cys Gly Gly Asn Ala Asn Arg Phe Gln
35 40 45

Thr Ile Gly Glu Cys Arg Lys Lys Cys Leu Gly Lys
50 55 60

<210> 1383

<211> 60

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1383

Arg Ile Cys Tyr Ile His Lys Ala Ser Leu Pro Arg Ala Thr Lys Thr
1 5 10 15

Cys Val Glu Asn Thr Cys Tyr Lys Met Phe Ile Arg Thr Gln Arg Glu
20 25 30

Tyr Ile Ser Glu Arg Gly Cys Gly Cys Pro Thr Ala Met Trp Pro Tyr
35 40 45

Gln Thr Glu Cys Cys Lys Gly Asp Arg Cys Asn Lys
50 55 60

<210> 1384

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1384

Phe Thr Asn Val Ser Cys Thr Thr Ser Lys Glu Cys Trp Ser Val Cys
1 5 10 15

Gln Arg Leu His Asn Thr Ser Arg Gly Lys Cys Met Asn Lys Lys Cys
20 25 30

Arg Cys Tyr Ser
35

<210> 1385

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1385

Met Cys Met Pro Cys Phe Thr Thr Asp His Gln Met Ala Arg Lys Cys
1 5 10 15

Asp Asp Cys Cys Gly Gly Lys Gly Arg Gly Lys Cys Tyr Gly Pro Gln
20 25 30

Cys Leu Cys Arg
35

<210> 1386
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1386
Glu Cys Cys Asn Pro Ala Cys Gly Arg His Tyr Ser Cys
1 5 10

<210> 1387
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1387
Ala Cys Ser Gly Arg Gly Ser Arg Cys Gln Cys Cys Met Gly Leu Arg
1 5 10 15
Cys Gly Arg Gly Asn Pro Gln Lys Cys Ile Gly Ala His Asp Val
20 25 30

<210> 1388
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1388
Gly Arg Cys Cys His Pro Ala Cys Gly Lys Asn Tyr Ser Cys
1 5 10

<210> 1389
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1389
Arg Asp Cys Cys Tyr His Pro Thr Cys Asn Met Ser Asn Pro Gln Ile

1

5

10

15

Cys

<210> 1390

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1390

Tyr Cys Cys His Pro Ala Cys Gly Lys Asn Phe Asp Cys

1

5

10

<210> 1391

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1391

Gly Cys Cys Ser Asp Pro Arg Cys Ala Trp Arg Cys

1

5

10

<210> 1392

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1392

Ile Cys Cys Asn Pro Ala Cys Gly Pro Lys Tyr Ser Cys

1

5

10

<210> 1393

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1393

Arg Asp Cys Cys Thr Arg Lys Cys Lys Asp Arg Arg Cys Lys Met Lys
1 5 10 15

Cys Cys Ala

<210> 1394

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1394

Cys Lys Ser Gly Ser Ser Cys Ser Thr Ser Tyr Asn Cys Cys Arg Ser
1 5 10 15

Cys Asn Tyr Thr Lys Arg Cys Tyr
20

<210> 1395

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1395

Cys Lys Gly Lys Gly Ala Lys Cys Ser Arg Leu Met Tyr Asp Cys Cys
1 5 10 15

Thr Gly Ser Cys Arg Ser Gly Lys Cys
20 25

<210> 1396

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1396

Cys Lys Gly Lys Gly Ala Pro Cys Arg Lys Thr Met Tyr Asp Cys Cys
1 5 10 15

Ser Gly Ser Cys Gly Arg Arg Gly Lys Cys
20 25

<210> 1397
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1397
Cys Lys Leu Lys Gly Gln Ser Cys Arg Lys Thr Ser Tyr Asp Cys Cys
1 5 10 15
Ser Gly Ser Cys Gly Arg Ser Gly Lys Cys
20 25

<210> 1398
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1398
Lys Thr Lys Cys Lys Phe Leu Lys Lys Cys
1 5 10

<210> 1399
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1399
Arg Asp Cys Cys Thr Lys Lys Cys Lys Asp Arg Gln Cys Lys Gln Arg
1 5 10 15
Cys Cys Ala

<210> 1400
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1400

Glu Phe Thr Asp Val Asp Cys Ser Val Ser Lys Glu Cys Trp Ser Val
1 5 10 15

Cys Lys Asp Leu Phe Gly Val Asp Arg Gly Lys Cys Met Gly Lys Lys
20 25 30

Cys Arg Cys Tyr Gln
35

<210> 1401

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1401

Gly Val Glu Ile Asn Val Lys Cys Ser Gly Ser Pro Gln Cys Leu Lys
1 5 10 15

Pro Cys Lys Asp Ala Gly Met Arg Phe Gly Lys Cys Met Asn Arg Lys
20 25 30

Cys His Cys Thr Pro
35

<210> 1402

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1402

Gly Val Glu Ile Asn Val Lys Cys Ser Gly Ser Pro Gln Cys Leu Lys
1 5 10 15

Pro Cys Lys Asp Ala Gly Met Arg Phe Gly Lys Cys Met Asn Arg Lys
20 25 30

Cys His Cys Thr Pro
35

<210> 1403

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1403

Ile Lys Cys Asn Cys Lys Arg His Val Ile Lys Pro His Ile Cys Arg
1 5 10 15

Lys Ile Cys Gly Lys Asn
20

<210> 1404

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1404

Thr Ile Ile Asn Val Lys Cys Thr Ser Pro Lys Gln Cys Leu Pro Pro
1 5 10 15

Cys Lys Ala Gln Phe Gly Gln Ser Ala Gly Ala Lys Cys Met Asn Gly
20 25 30

Lys Cys Lys Cys Tyr Pro His
35

<210> 1405

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1405

Phe Asp Arg Ala
1

<210> 1406

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1406

Ala Asp Cys Ser Ala Thr Gly Asp Thr Cys Asp His Thr Lys Lys Cys
1 5 10 15

Cys Asp Asp Cys Tyr Thr Cys Arg Cys Gly Thr Pro Trp Gly Ala Asn
20 25 30

Cys Arg Cys Asp Tyr Tyr Lys Ala Arg Cys Asp Thr
35 40

<210> 1407

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1407

Ala Phe Cys Asn Leu Arg Met Cys Gln Leu Ser Cys Arg Ser Leu Gly
1 5 10 15

Leu Leu Gly Lys Cys Ile Gly Asp Lys Cys Glu Cys Val Lys His
20 25 30

<210> 1408

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1408

Arg Ser Cys Ile Asp Thr Ile Pro Lys Ser Arg Cys Thr Ala Phe Gln
1 5 10 15

Cys Lys His Ser Met Lys Tyr Arg Leu Ser Phe Cys Arg Lys Thr Cys
20 25 30

Gly Thr Cys
35

<210> 1409

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1409

Phe Leu Pro Leu Ile Leu Gly Lys Leu Val Lys Gly Leu Leu
1 5 10

<210> 1410
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1410
Ile Asn Leu Lys Ala Ile Ala Ala Leu Val Lys Lys Val Leu
1 5 10

<210> 1411
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1411
Ile Asn Leu Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
1 5 10

<210> 1412
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1412
Ile Asn Leu Lys Ala Leu Ala Ala Leu Ala Lys Ala Leu Leu
1 5 10

<210> 1413
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1413
Ile Asn Leu Lys Ala Leu Ala Ala Leu Ala Lys Arg Leu Leu

1

5

10

<210> 1414

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1414

Ile Asn Leu Lys Ala Lys Ala Ala Leu Ala Lys Lys Leu Leu

1

5

10

<210> 1415

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1415

Ile Asn Trp Lys Gly Ile Ala Ala Met Ala Lys Lys Leu Leu

1

5

10

<210> 1416

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1416

Phe Met Ser Ser His Gln Ser Gln Ala Ser Leu Glu Leu Ala Ile Lys

1

5

10

15

Gln Trp Gly Ser Gln

20

<210> 1417

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1417

Phe Asn Lys Ile Thr Pro Asn Leu Ala Glu Phe Ala Phe Ser Leu Tyr
1 5 10 15

Arg Gln Leu Ala
20

<210> 1418

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1418

Trp Ser Pro Lys Glu Glu Asp Arg Ile Ile Pro Gly Gly Ile Tyr Asn
1 5 10 15

Ala Asp Leu Asn Asp Glu Trp Val Gln Arg Ala Leu His Phe Ala Ile
20 25 30

Ser Glu

<210> 1419

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1419

Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln
1 5 10 15

Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu
20 25 30

Trp Asn Trp Phe
35

<210> 1420

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1420

Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15

Thr Val Trp Gln Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30

Arg Tyr Leu Lys Asp Gln
35

<210> 1421

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1421

Tyr Thr Asn Thr Ile Tyr Thr Leu Leu Glu Glu Ser Gln Asn Gln Gln
1 5 10 15

Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu
20 25 30

Trp Asn Trp Phe
35

<210> 1422

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1422

Tyr Thr Gly Ile Ile Tyr Asn Leu Leu Glu Glu Ser Gln Asn Gln Gln
1 5 10 15

Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Asn Leu
20 25 30

Trp Asn Trp Phe
35

<210> 1423

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1423

Tyr Thr Ser Leu Ile Tyr Ser Leu Leu Glu Lys Ser Gln Thr Gln Gln
1 5 10 15

Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu
20 25 30

Trp Asn Trp Phe
35

<210> 1424

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1424

Leu Glu Ala Asn Ile Ser Lys Ser Leu Glu Gln Ala Gln Ile Gln Gln
1 5 10 15

Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Ile Phe
20 25 30

Gly Asn Trp Phe
35

<210> 1425

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1425

Leu Glu Ala Asn Ile Ser Gln Ser Leu Glu Gln Ala Gln Ile Gln Gln
1 5 10 15

Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Val Phe
20 25 30

Thr Asn Trp Leu
35

<210> 1426

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1426

Cys Gly Gly Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu
1 5 10 15

Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu
20 25 30

Ala Val Glu Arg Tyr Leu Lys Asp Gln
35 40

<210> 1427

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1427

Gln Gln Leu Leu Asp Val Val Lys Arg Gln Gln Glu Met Leu Arg Leu
1 5 10 15

Thr Val Trp Gly Thr Lys Asn Leu Gln Ala Arg Val Thr Ala Ile Glu
20 25 30

Lys Tyr Leu Lys Asp Gln
35

<210> 1428

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1428

Tyr Thr Ser Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys
1 5 10 15

Cys Asn Gly Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp Lys Tyr
20 25 30

Lys Asn Ala Val Thr Glu Leu Gln Leu Leu Met Gln Ser Thr
35 40 45

<210> 1429
<211> 54
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1429
Ala Ser Gly Val Ala Val Ser Lys Val Leu His Leu Glu Gly Glu Val
1 5 10 15
Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser
20 25 30
Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr
35 40 45
Ile Asp Lys Gln Leu Leu
50

<210> 1430
<211> 53
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1430
Gly Glu Pro Ile Ile Asn Phe Tyr Asp Pro Leu Val Phe Pro Ser Asp
1 5 10 15
Glu Phe Asp Ala Ser Ile Ser Gln Val Asn Glu Lys Ile Asn Gln Ser
20 25 30
Leu Ala Phe Ile Arg Lys Ser Asp Glu Leu Leu His Asn Val Asn Ala
35 40 45
Gly Lys Ser Thr Thr
50

<210> 1431
<211> 48
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1431
Tyr Thr Ser Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys

1 5 10 15
 Cys Asn Gly Thr Asp Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp
 20 25 30
 Lys Tyr Lys Asn Ala Val Thr Glu Leu Gln Leu Leu Met Gln Ser Thr
 35 40 45

<210> 1432
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1432
 Tyr Thr Ser Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys
 1 5 10 15
 Cys Asn Gly Asp Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp Lys
 20 25 30

Tyr Lys

<210> 1433
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1433
 Thr Ser Val Ile Thr Ile Glu Leu Ser Asn Ile Lys Glu Asn Lys Cys
 1 5 10 15
 Asn Gly Asp Ala Lys Val Lys Leu Ile Lys Gln Glu Leu Asp Lys Tyr
 20 25 30

Lys Asn

<210> 1434
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1434

Val	Ile	Thr	Ile	Glu	Leu	Ser	Asn	Ile	Lys	Glu	Asn	Lys	Cys	Asn	Gly
1				5					10					15	

Asp	Ala	Lys	Val	Lys	Leu	Ile	Lys	Gln	Glu	Leu	Asp	Lys	Tyr	Lys	Asn
			20					25					30		

Ala Val

<210> 1435

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1435

Val	Ile	Thr	Ile	Glu	Leu	Ser	Asn	Ile	Lys	Glu	Asn	Lys	Met	Asn	Gly
1				5					10					15	

Asp	Ala	Lys	Val	Lys	Leu	Ile	Lys	Gln	Glu	Leu	Asp	Lys	Tyr	Lys	Asn
			20					25					30		

Ala Val

<210> 1436

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1436

Val	Ala	Val	Ser	Lys	Val	Leu	His	Leu	Glu	Gly	Glu	Val	Asn	Lys	Ile
1				5					10					15	

Ala	Leu	Leu	Ser	Thr	Asn	Lys	Ala	Val	Val	Ser	Leu	Ser	Asn	Gly	Val
			20					25					30		

Ser

<210> 1437

<211> 33

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1437

Ala Val Ser Lys Val Leu His Leu Glu Gly Glu Val Asn Lys Ile Ala
1 5 10 15

Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly Val Ser
20 25 30

Val

<210> 1438
<211> 33
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1438

Val Ser Lys Val Leu His Leu Glu Gly Glu Val Asn Lys Ile Ala Leu
1 5 10 15

Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly Val Ser Val
20 25 30

Leu

<210> 1439
<211> 33
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1439

Ser Lys Val Leu His Leu Glu Gly Glu Val Asn Lys Ile Ala Leu Leu
1 5 10 15

Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly Val Ser Val Leu
20 25 30

Thr

<210> 1440
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1440
Lys Val Leu His Leu Glu Gly Glu Val Asn Lys Ile Ala Leu Leu Ser
1 5 10 15
Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly Val Ser Val Leu Thr
20 25 30

Ser

<210> 1441
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1441
Leu Glu Gly Glu Val Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala
1 5 10 15
Val Val Ser Leu Ser Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu
20 25 30

Asp

<210> 1442
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1442
Gly Glu Val Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val
1 5 10 15
Ser Leu Ser Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu
20 25 30

Lys

<210> 1443
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1443
Glu Val Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser
1 5 10 15
Leu Ser Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys
20 25 30

Asn

<210> 1444
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1444
Val Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu
1 5 10 15
Ser Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn
20 25 30

Tyr

<210> 1445
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1445
Asn Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser
1 5 10 15

Asn Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr
20 25 30

Ile

<210> 1446
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1446
Lys Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn
1 5 10 15

Gly Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr Ile
20 25 30

Asp

<210> 1447
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1447
Ile Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly
1 5 10 15

Val Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr Ile Asp
20 25 30

Lys

<210> 1448
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1448

Ala Leu Leu Ser Thr Asn Lys Ala Val Val Ser Leu Ser Asn Gly Val
 1 5 10 15

Ser Val Leu Thr Ser Lys Val Leu Asp Leu Lys Asn Tyr Ile Asp Lys
 20 25 30

Gln

<210> 1449

<211> 70

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1449

Gly Thr Ile Ala Leu Gly Val Ala Thr Ser Ala Gln Ile Thr Ala Ala
 1 5 10 15

Val Ala Leu Val Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu
 20 25 30

Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser
 35 40 45

Ser Ile Gly Asn Leu Ile Val Ala Ile Lys Ser Val Gln Asp Tyr Val
 50 55 60

Asn Lys Glu Ile Val Pro
 65 70

<210> 1450

<211> 56

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1450

Tyr Thr Pro Asn Asp Ile Thr Leu Asn Asn Ser Val Ala Leu Asp Pro
 1 5 10 15

Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu
 20 25 30

Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly
 35 40 45

Asn Trp His Gln Ser Ser Thr Thr
 50 55

<210> 1451
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1451
Thr Leu Asn Asn Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu
1 5 10 15
Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg
20 25 30
Arg Ser Asn
35

<210> 1452
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1452
Leu Asn Asn Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu
1 5 10 15
Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg
20 25 30
Ser Asn Gln
35

<210> 1453
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1453
Asn Asn Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn
1 5 10 15
Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser
20 25 30

Asn Gln Lys
35

<210> 1454
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1454
Asn Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys
1 5 10 15
Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn
20 25 30

Gln Lys Leu
35

<210> 1455
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1455
Ser Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala
1 5 10 15
Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln
20 25 30

Lys Leu Asp
35

<210> 1456
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1456
Val Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys
1 5 10 15

Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys
20 25 30

Leu Asp Ser
35

<210> 1457

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1457

Ala Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser
1 5 10 15

Asp Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu
20 25 30

Asp Ser Ile
35

<210> 1458

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1458

Leu Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp
1 5 10 15

Leu Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp
20 25 30

Ser Ile Gly
35

<210> 1459

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1459

Asp Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu
1 5 10 15

Glu Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser
20 25 30

Ile Gly Asn
35

<210> 1460

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1460

Pro Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu
1 5 10 15

Glu Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile
20 25 30

Gly Asn Trp
35

<210> 1461

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1461

Ile Asp Ile Ser Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu
1 5 10 15

Ser Lys Glu Trp Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly
20 25 30

Asn Trp His
35

<210> 1462

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1462

Asp	Ile	Ser	Ile	Glu	Leu	Asn	Lys	Ala	Lys	Ser	Asp	Leu	Glu	Glu	Ser
1				5				10				15			

Lys	Glu	Trp	Ile	Arg	Arg	Ser	Asn	Gln	Lys	Leu	Asp	Ser	Ile	Gly	Asn
			20					25					30		

Trp	His	Gln
		35

<210> 1463

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1463

Ile	Ser	Ile	Glu	Leu	Asn	Lys	Ala	Lys	Ser	Asp	Leu	Glu	Glu	Ser	Lys
1				5				10				15			

Glu	Trp	Ile	Arg	Arg	Ser	Asn	Gln	Lys	Leu	Asp	Ser	Ile	Gly	Asn	Trp
			20					25					30		

His	Gln	Ser
		35

<210> 1464

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1464

Ser	Ile	Glu	Leu	Asn	Lys	Ala	Lys	Ser	Asp	Leu	Glu	Glu	Ser	Lys	Glu
1				5				10				15			

Trp	Ile	Arg	Arg	Ser	Asn	Gln	Lys	Leu	Asp	Ser	Ile	Gly	Asn	Trp	His
			20					25					30		

Gln	Ser	Ser
		35

<210> 1465

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1465

Ile Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp
1 5 10 15

Ile Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly Asn Trp His Gln
20 25 30

Ser Ser Thr
35

<210> 1466

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1466

Glu Leu Asn Lys Ala Lys Ser Asp Leu Glu Glu Ser Lys Glu Trp Ile
1 5 10 15

Arg Arg Ser Asn Gln Lys Leu Asp Ser Ile Gly Asn Trp His Gln Ser
20 25 30

Ser Thr Thr
35

<210> 1467

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1467

Thr Ala Ala Val Ala Leu Val Glu Ala Lys Gln Ala Arg Ser Asp Ile
1 5 10 15

Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser
20 25 30

Val Gln Ser
35

<210> 1468
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1468
Ala Val Ala Leu Val Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys
1 5 10 15
Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln
20 25 30
Ser Ser Ile
35

<210> 1469
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1469
Leu Val Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu
1 5 10 15
Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile
20 25 30
Gly Asn Leu
35

<210> 1470
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1470
Val Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala
1 5 10 15
Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly
20 25 30
Asn Leu Ile

<210> 1471
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1471
 Glu Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile
 1 5 10 15
 Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn
 20 25 30
 Leu Ile Val
 35

<210> 1472
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1472
 Ala Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg
 1 5 10 15
 Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu
 20 25 30
 Ile Val Ala
 35

<210> 1473
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1473
 Lys Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp
 1 5 10 15
 Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile

20

25

30

Val Ala Ile
35

<210> 1474
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1474
Gln Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr
1 5 10 15

Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile Val
20 25 30

Ala Ile Lys
35

<210> 1475
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1475
Ala Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn
1 5 10 15

Lys Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile Val Ala
20 25 30

Ile Lys Ser
35

<210> 1476
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1476
Arg Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys

1 5 10 15
 Ala Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile Val Ala Ile
 20 25 30

Lys Ser Val
 35

<210> 1477
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1477
 Ser Asp Ile Glu Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala
 1 5 10 15

Val Gln Ser Val Gln Ser Ser Ile Gly Asn Leu Ile Val Ala Ile Lys
 20 25 30

Ser Val Gln
 35

<210> 1478
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1478
 Lys Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val
 1 5 10 15

Gln Ser Ser Ile Gly Asn Leu Ile Val Ala Ile Lys Ser Val Gln Asp
 20 25 30

Tyr Val Asn
 35

<210> 1479
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 1479

Leu Lys Glu Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln
1 5 10 15

Ser Ser Ile Gly Asn Leu Ile Val Ala Ile Lys Ser Val Gln Asp Tyr
20 25 30

Val Asn Lys
35

<210> 1480

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1480

Ala Ile Arg Asp Thr Asn Lys Ala Val Gln Ser Val Gln Ser Ser Ile
1 5 10 15

Gly Asn Leu Ile Val Ala Ile Lys Ser Val Gln Asp Tyr Val Asn Lys
20 25 30

Glu Ile Val
35

<210> 1481

<211> 47

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1481

Thr Trp Gln Glu Trp Glu Arg Lys Val Asp Phe Leu Glu Glu Asn Ile
1 5 10 15

Thr Ala Leu Leu Glu Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr
20 25 30

Glu Leu Gln Lys Leu Asn Ser Trp Asp Val Phe Gly Asn Trp Phe
35 40 45

<210> 1482

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1482

Trp Gln Glu Trp Glu Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr
1 5 10 15

Ala Leu Leu Glu Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu
20 25 30

Leu Gln Lys
35

<210> 1483

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1483

Gln Glu Trp Glu Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr Ala
1 5 10 15

Leu Leu Glu Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu
20 25 30

Gln Lys Leu
35

<210> 1484

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1484

Glu Trp Glu Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu
1 5 10 15

Leu Glu Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln
20 25 30

Lys Leu Asn
35

<210> 1485

<211> 35

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1485
Trp Glu Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu
1 5 10 15
Glu Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys
20 25 30
Leu Asn Ser
35

<210> 1486
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1486
Glu Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu
1 5 10 15
Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu
20 25 30
Asn Ser Trp
35

<210> 1487
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1487
Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu
1 5 10 15
Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn
20 25 30
Ser Trp Asp
35

<210> 1488
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1488
Lys Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu Ala
1 5 10 15
Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser
20 25 30
Trp Asp Val
35

<210> 1489
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1489
Val Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu Ala Gln
1 5 10 15
Ile Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp
20 25 30
Asp Val Phe
35

<210> 1490
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1490
Asp Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu Ala Gln Ile
1 5 10 15
Gln Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp
20 25 30

Val Phe Gly
35

<210> 1491
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1491
Phe Leu Glu Glu Asn Ile Thr Ala Leu Leu Glu Glu Ala Gln Ile Gln
1 5 10 15

Gln Glu Lys Asn Met Tyr Glu Leu Gln Lys Leu Asn Ser Trp Asp Val
20 25 30

Phe Gly Asn
35

<210> 1492
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1492
Pro Asp Ala Val Tyr Leu His Arg Ile Asp Leu Gly Pro Pro Ile Ser
1 5 10 15

Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys
20 25 30

Leu Glu Asp
35

<210> 1493
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1493
Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys
1 5 10 15

Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln Ile Leu Arg Ser
20 25 30

Met Lys

<210> 1494
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1494
Leu His Arg Ile Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp
1 5 10 15

Val Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu
20 25 30

Leu Leu

<210> 1495
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1495
His Arg Ile Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val
1 5 10 15

Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu
20 25 30

Leu Glu

<210> 1496
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1496

Arg Ile Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly
1 5 10 15

Thr Asn Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu
20 25 30

Glu Ser

<210> 1497

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1497

Ile Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr
1 5 10 15

Asn Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu
20 25 30

Ser Ser

<210> 1498

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1498

Asp Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn
1 5 10 15

Leu Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser
20 25 30

Ser Asp

<210> 1499

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

Peptide

<400> 1499

Leu Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu
1 5 10 15

Gly Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser
20 25 30

Asp Gln

<210> 1500

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1500

Gly Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly
1 5 10 15

Asn Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp
20 25 30

Gln Ile

<210> 1501

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1501

Pro Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn
1 5 10 15

Ala Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln
20 25 30

Ile Leu

<210> 1502

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1502

Pro Ile Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala
1 5 10 15

Ile Ala Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln Ile
20 25 30

Leu Arg

<210> 1503

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1503

Ser Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala Ile Ala
1 5 10 15

Lys Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln Ile Leu Arg
20 25 30

Ser Met

<210> 1504

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1504

Leu Glu Arg Leu Asp Val Gly Thr Asn Leu Gly Asn Ala Ile Ala Lys
1 5 10 15

Leu Glu Ala Lys Glu Leu Leu Glu Ser Ser Asp Gln Ile Leu Arg Ser
20 25 30

Met Lys

<210> 1505

<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1505
Tyr Leu Cys Glu Phe Cys Leu Lys Tyr Gly Arg Ser Leu Lys Cys Leu
1 5 10 15

Gln Arg His Leu Thr Lys
20

<210> 1506
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1506
Ala Ser Thr Thr Thr Asn Tyr Thr
1 5

<210> 1507
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1507
Ala Ser Thr Thr Thr Asn Tyr Thr
1 5

<210> 1508
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1508
Ser Gln Asn Tyr Pro Ile Val Gln
1 5

<210> 1509
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1509
Glu Leu Asp Lys Trp Ala
1 5

<210> 1510
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1510
Arg Gly Val Val Asn Ala Ser Ser Arg Leu Ala
1 5 10

<210> 1511
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1511
Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala
1 5 10

<210> 1512
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1512
Leu Thr Thr Gly Ser Val Val Ile Val Gly Arg Ile Ile Leu Ser Gly
1 5 10 15

Arg Pro Ala Val Val Pro Asp

<210> 1513
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1513
 Gly Ser Val Val Ile Val Gly Arg Ile Ile Leu Ser Gly Arg
 1 5 10

<210> 1514
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1514
 Pro Leu Gly Phe Phe Pro Asp His Gln Leu Asp Pro Ala Phe Gly Ala
 1 5 10 15

Asn Ser Asn Asn Pro Asp Trp Asp Phe Asn Pro
 20 25

<210> 1515
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic Peptide

<400> 1515
 Met Gln Trp Asn Ser Thr Thr Phe His Gln Thr Leu Gln Asp Pro Arg
 1 5 10 15

Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly
 20 25

<210> 1516
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1516

Met Gln Trp Asn Ser Thr Ala Phe His Gln Thr
1 5 10

<210> 1517

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1517

Tyr Gly Ala Val Val Asn Asp Leu
1 5

<210> 1518

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1518

Cys Thr His Gly Ile Arg Pro Val Val Ser Thr Gln Leu Leu Leu Asn
1 5 10 15

Gly Ser Leu Ala Glu
20

<210> 1519

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1519

Ser Glu Asn Tyr Pro Ile Val
1 5

<210> 1520

<211> 7

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1520
Lys Ala Arg Val Phe Glu Ala
1 5

<210> 1521
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1521
Arg Ile Gln Arg Gly Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
1 5 10 15

<210> 1522
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1522
Ala Ser Thr Thr Thr Asn Tyr Thr
1 5

<210> 1523
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1523
Ala Ser Thr Thr Thr Asn Tyr Thr
1 5

<210> 1524
<211> 15
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1524

Arg Ile Gln Arg Gly Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
1 5 10 15

<210> 1525

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1525

Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu
1 5 10 15

Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu
20 25 30

Arg Tyr Leu Lys Asp Gln
35

<210> 1526

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1526

Arg Gly Pro Gly Arg Ala Phe Val Thr Ile
1 5 10

<210> 1527

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1527

Phe Phe Gly
1

<210> 1528
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1528
Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln
1 5 10 15
Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu
20 25 30
Trp Asn Trp Phe
35

<210> 1529
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1529
Thr Gln
1

<210> 1530
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1530
Trp His Trp Leu Gln Leu
1 5

<210> 1531
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1531
Gly Pro Gly Ala Gly
1 5

<210> 1532
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1532
His Gly
1

<210> 1533
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1533
Phe Val Phe Leu Met
1 5

<210> 1534
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1534
Thr Ser Lys
1

<210> 1535
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1535

Lys His Gly
1

<210> 1536
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1536
Lys Asn Arg Trp Glu Asp Pro Gly Lys Gln Leu Tyr Asn Val Glu Ala
1 5 10 15

<210> 1537
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1537
Leu Arg Ala His Ala Val Asp Val Asn Gly
1 5 10

<210> 1538
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1538
Trp Ser Lys Met Asp Gln Leu Ala Lys Glu Leu Thr Ala Glu
1 5 10

<210> 1539
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1539
Thr Pro Arg Lys

1

<210> 1540
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1540
Gly Glu Leu Gln Asn Gln Leu Ile Arg Lys Ser Asn
1 5 10

<210> 1541
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1541
Gly Glu Tyr Gln Lys Met Leu Asn Leu Arg Ala Glu Val Lys Lys Asn
1 5 10 15

Ala

<210> 1542
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1542
Pro Phe Cys Asn Ala Phe Thr Gly Cys
1 5

<210> 1543
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1543
Glu Lys Ala His Asp Gly Gly Arg
1 5

<210> 1544
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1544
Pro Phe Thr Arg Asn Tyr Tyr Val Arg Ala Val Leu His Leu
1 5 10

<210> 1545
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1545
Ala Pro Arg Leu Pro Gln Cys Gln Gly Asp Asp Gln Glu Lys Cys Leu
1 5 10 15

Cys Asn Lys Asp Glu Cys Pro Pro Gly Gln Cys Arg Phe Pro Arg Gly
20 25 30

Asp Ala Asp Pro Tyr Cys Glu
35

<210> 1546
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1546
Lys Gly Asp Glu Glu Ser Leu Ala
1 5

<210> 1547
<211> 9
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1547

Trp Ala Gly Gly Asp Ala Ser Gly Glu
1 5

<210> 1548

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1548

Gln Ala Thr Val Gly Asp Val Asn Thr Asp Arg Pro Gly Leu Leu Asp
1 5 10 15

Leu Lys Tyr Tyr
20

<210> 1549

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1549

Thr Lys Arg Arg Ala Ile Gly Phe Lys Lys Leu Ala Glu Ala Val Lys
1 5 10 15

Cys

<210> 1550

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1550

Ser Ile Ile Asn Phe Glu Lys Leu
1 5

<210> 1551
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1551
Phe Gln Val Val Cys Gly
1 5

<210> 1552
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1552
Ala Arg Met Ala Pro Glu
1 5

<210> 1553
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1553
Gly Gln Pro Arg
1

<210> 1554
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1554
Thr Val Leu
1

<210> 1555
<211> 49
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1555
Leu Leu Ser Lys Arg Gly His Cys Pro Arg Ile Leu Phe Arg Cys Pro
1 5 10 15
Leu Ser Asn Pro Ser Asn Lys Cys Trp Arg Asp Tyr Asp Cys Pro Gly
20 25 30
Val Lys Lys Cys Cys Glu Gly Phe Cys Gly Lys Asp Cys Leu Tyr Pro
35 40 45

Lys

<210> 1556
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1556
Gly Phe Asp Leu Asn Gly Gly Gly Val Gly
1 5 10

<210> 1557
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1557
Ala Val Gln Ser Lys Pro Pro Ser Lys Arg Asp Pro Pro Lys Met Gln
1 5 10 15

Thr Asp

<210> 1558
<211> 4
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1558

Thr Lys Pro Arg

1

<210> 1559

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1559

Tyr Leu Asn Phe Thr Pro Asn Trp Gly Thr Tyr

1

5

10

<210> 1560

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1560

Asp Leu Trp Gln Lys

1

5

<210> 1561

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1561

Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly

1

5

10

15

Asp

<210> 1562

<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1562
Ala Pro Arg Leu Pro Gln Cys Gln Gly Asp Gln Glu Lys Cys Leu Cys
1 5 10 15

Asn Lys Asp Glu Cys Pro Pro Gly Gln Cys Arg Phe Pro Arg Gly Asp
20 25 30

Ala Asp Pro Tyr Cys Glu Asp
35

<210> 1563
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1563
Thr Lys Pro Arg
1

<210> 1564
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1564
Glu Glu Val Val Ala Cys
1 5

<210> 1565
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1565

Ser Asp Lys Pro
1

<210> 1566
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1566
Arg Phe Trp Ile Asn Lys
1 5

<210> 1567
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1567
Cys Gly Tyr Gly Pro Lys Lys Lys Arg Lys Val Gly Gly
1 5 10

<210> 1568
<211> 1
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1568
Leu
1

<210> 1569
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1569
Asp Asp Asp Asp Asp

1

5

<210> 1570

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1570

Asp Asp Asp Asp Asp Asp

1

5

<210> 1571

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1571

Asn Pro Asn Ala Asn Pro Asn Ala

1

5

<210> 1572

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1572

Val Ala Ile Thr Val Leu Val Lys

1

5

<210> 1573

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1573

Val Gly Val Arg Val Arg

1

5

<210> 1574
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1574
Val Ile His Ser
1

<210> 1575
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1575
Val Pro Asp Pro Arg
1 5

<210> 1576
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1576
Val Thr Cys Gly
1

<210> 1577
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1577
Arg Ser Arg
1

<210> 1578
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 1578
 Ser Ala Lys Leu Cys Pro Gly Gly Asn Cys Val
 1 5 10

<210> 1579
 <211> 6
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 1579
 Asp His Ala Arg Trp Lys
 1 5

<210> 1580
 <211> 7
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 1580
 Pro Gln Asp Pro Gln Asp Leu
 1 5

<210> 1581
 <211> 6
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

 <400> 1581
 Gln His Phe Arg Trp Gly
 1 5

<210> 1582
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1582
Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Leu Lys Leu Gly Asn Gln
1 5 10 15

Glu Pro Gly

<210> 1583
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1583
Leu Ser Ala Leu Ser Leu Asp Glu Pro Phe Ile Gln Lys Asp Val Glu
1 5 10 15

Leu Arg Ile Met
20

<210> 1584
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1584
Ala Pro Glu Ala Gln Val Ser Val Gln Pro Asn Phe Gln Gln Asp
1 5 10 15

<210> 1585
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1585

Glu Tyr Gly Gly Thr Lys Val Leu Asp Asp Lys Asp Tyr Phe Leu Phe
1 5 10 15

Arg Asp Gly Asp Ile Leu Gly Lys Tyr Val Asp
20 25

<210> 1586

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1586

Lys Ala Tyr Ile Asn Lys Val Glu Glu Leu Lys Lys Lys Tyr Gly Ile
1 5 10 15

<210> 1587

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1587

Ser Gln Gln Ser Ser Ser Tyr Gly Gln Gln Ser Glu Lys Pro Tyr Gln
1 5 10 15

Cys Asp Phe Lys Asp Cys Glu Arg
20

<210> 1588

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1588

Ala Thr Glu Ser Ile Ala Tyr Leu Ala Pro Pro Tyr Ala Phe Arg
1 5 10 15

<210> 1589

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1589

Lys Arg Lys Arg Ser Glu Met Leu Phe Arg Gly Arg Arg Ala Ser Gln
1 5 10 15

<210> 1590

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1590

Val Ser His Pro Tyr Ser Gln His Leu Glu Gly Lys Gly
1 5 10

<210> 1591

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1591

Ala Leu Thr Asp Phe Phe Arg
1 5

<210> 1592

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1592

Gln Ala Ile Gly Leu Met Gly Tyr Arg Leu Ser Pro Gln Thr Leu Thr
1 5 10 15

Thr Ile Val Lys
20

<210> 1593

<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1593
Met Gly Phe Asn Ala Phe Lys Glu Leu Trp Ala Ala Leu Asn Ala Trp
1 5 10 15

Lys

<210> 1594
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1594
Glu Val Gln Leu Val Glu Ser Gly Val Gly Leu Val Gln Pro Gly Asp
1 5 10 15

<210> 1595
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1595
Glu Leu Asp Ala Lys Ile Pro Ser Thr Gly Asp Ala Thr Glu Trp Arg
1 5 10 15

Asn

<210> 1596
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1596
Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly

1

5

10

15

Val Thr Ser Ala
20

<210> 1597

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1597

Gly Lys Glu Ile Leu Val Gly Asp Val Gly Gln Thr Val Asp Asp Pro
1 5 10 15

Tyr Ala Thr Phe
20

<210> 1598

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1598

Glu Leu Ser Leu Ala Gly Asn Glu Leu Gly Asp Glu Gly Ala Arg
1 5 10 15

<210> 1599

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1599

Met Phe Ile Val Asn Thr Asn Val Pro Arg Ala Ser Val Pro Asp Gly
1 5 10 15

Phe Leu Ser Glu Leu Thr
20

<210> 1600

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1600

Phe Gly Ser Phe Phe Thr Leu Asn Leu Phe Ile Gly Ile Ile Ile Asp
1 5 10 15

Asn Phe Trp Gln Gln Lys Lys Lys Leu Gly Gly Lys Asp Ile Phe Met
20 25 30

Thr Glu Glu
35

<210> 1601

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1601

Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Glu Gly Phe Arg Gly
1 5 10 15

Glu Glu Gly Asp Pro Gly Leu Pro Gly Ala Ala
20 25

<210> 1602

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1602

Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Gly His Leu Lys Thr
1 5 10 15

His Thr Arg Thr His
20

<210> 1603

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1603

His	Val	Ser	Ser	Glu	Ala	Phe	Arg	Met	Cys	Asp	Val	Cys	Leu	Glu
1				5				10					15	

<210> 1604

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1604

Pro	His	Ser	Arg	Asn
1			5	

<210> 1605

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1605

Pro	His	Ser	Cys	Asn
1			5	

<210> 1606

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1606

Met	Gly	Pro	Gly	Ala	Pro	Phe	Ala	Arg	Val	Gly	Trp	Pro	Leu	Pro	Leu
1				5				10					15		

Leu	Val	Val	Met	Ala	Gly	Val	Ala	Pro	Val	Trp	Ala
			20					25			

<210> 1607

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1607

Met Val Lys Ser His Ile Gly Ser Trp Ile Leu Val Leu Phe Val
1 5 10 15

<210> 1608

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1608

Cys Ser Leu Pro Gly Ser Ala Ala Ala
1 5

<210> 1609

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1609

Arg Gly Leu Lys Arg Gln Ser Asp Glu Arg Lys Arg Asp Arg Glu
1 5 10 15

<210> 1610

<211> 57

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 1610

Gly Arg Ser His Met Val Leu Asn Ser Ala Leu Glu Gly Ala Arg Gly
1 5 10 15

Gly Pro Gly Gly Glu Glu Ile Pro Glu Arg Phe Ser Ile Pro Glu Leu
20 25 30

Gln Trp Met Leu Ser Asn Ala Glu Leu Ala Pro Val Gln Ala Asp Glu
35 40 45

Pro Pro Gln Ser Arg Met Asp Leu Val
50 55

<210> 1611
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1611
Gln Ala Arg Ala Val Gly Leu Ala Gly Thr Ser Arg Ala Phe Leu Ser
1 5 10 15

Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala Asp Arg Ala
20 25 30

Ala Val Met
35

<210> 1612
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1612
Met Val Lys Ser His Ile Gly Ser Trp Ile Leu Val Leu Phe Val
1 5 10 15

<210> 1613
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1613
Leu Arg Asp Leu Val Ser Tyr Cys Arg Ala Arg Gly Lys Gly Arg Glu
1 5 10 15

Arg Met Asn Gly Thr Arg Lys Gly His Leu Leu Tyr Met
20 25

<210> 1614
<211> 33

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1614
Gly Lys Arg Ser Ser Pro Glu Thr Leu Ile Ser Asp Leu Leu Met Arg
1 5 10 15
Glu Ser Thr Glu Asn Val Pro Arg Thr Arg Leu Glu Asp Pro Ala Met
20 25 30

Trp

<210> 1615
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1615
Asp Val Glu Pro Leu Leu Gly Phe Leu Ser Pro Lys Ser Gly Gln Glu
1 5 10 15
Asn Glu Val Asp Asp Phe Pro Tyr Lys Gly Gln Gly Glu Leu
20 25 30

<210> 1616
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1616
Phe Cys Lys Cys Arg Leu Glu Pro Met Lys Ala Thr Cys Asp Ile Ser
1 5 10 15
Glu Cys Pro Glu
20

<210> 1617
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 1617

Lys	Ser	His	Gly	Arg	Thr	Gln	Asn	Pro	Val	Val	His	Phe	Phe	Lys	Asn
1				5					10					15	

Ile	Val	Thr	Pro
			20